



## **THE WONDERS OF CREATION**

**BY DR. THAHIRA IQBAL DHMS/BAIS/MAIS**

ALIMA COURSE FROM INTERNATIONAL ONLINE UNIVERSITY

**THE ETERNAL GUIDANCE  
SERIES  
THROUGH PONDERING OVER  
WONDERS OF  
THE CREATION  
OF ALLAH**

**BY DR. THAHIRA IQBAL DHMS/BAIS/MAIS**

## Poetry 1

### WONDERS OF THE CREATION OF ALLAH

#### Mysteries of Migration:

How do the birds find their way  
Around the Mountains, night and day,  
How do they never lose their sway?  
How do they travel day and night?  
How do they know they are wrong or right?  
Don't they get confused by sound and light?  
Or is sheer will their might?  
Is it because of some magnetic force?  
Or do they remember their ancient course?  
Or do they have a sixth sense?  
Or a telescopic lens?  
We find that every animal has a unique feature  
This helps us to learn like a great teacher.  
When a worm eats a leaf, it gives silk,  
a deer gives musk, and a cow gives milk.  
Every bird, insect, and fish has a special ability,  
Who is the ONE, who gives them this capability?  
These questions will make us ponder,  
and think and wonder,  
About the magnificent power of the Creator  
And we realise that HE is the Monitor.

1.	POETRY 1	3
2.	CONTENTS	4
3.	REVIEW	5
4.	POETRY 2	7
5.	INTRODUCTION	8
6.	ACKNOWLEDGEMENT	9
7.	<b>PART I: WHY DID I CHOOSE THIS AMAZING SUBJECT</b>	<b>10</b>
8.	TO KNOW ALLAH, WE MUST LOOK AT THE SIGNS	11
9.	IMPORTANCE OF SEEKING KNOWLEDGE	13
10.	<b>THE SOLAR SYSTEM</b> DAY AND NIGHT	15
	SURFACE OF THE SUN	16
	HOW ARE THE EARTH AND SUB USEFUL TO US and AURORAS	16
	THE BLACK HOLES	17
	THE PROTECTIVE LAYER AROUND THE EARTH	17
11.	MOUNTAINS OF DIFFERENT HUES	18
	MOUNTAINS AS PEGS	18
	MOUNTAINS AS A BARRIER FOR BLOCK CLOUDS	19
	WHAT IF THE RAIN FALL ALL AT ONCE?	19
	<b>PART II THE FOOD AND OTHER PROVISIONS OF NATURE</b>	<b>20</b>
1)	DATES	20
2)	HONEY	21
3)	OLIVE OIL	22
4)	EUCALYPTUS & the BANYAN TREE	23
5)	COCONUT AND POMEGRANETE	24
	<b>PART III WONDERFUL CREATURES FOUND IN THE WORLD</b>	<b>25</b>
	<b>INSECTS</b>	<b>25</b>
a)	THE MOSQUITO	26
b)	THE BEES	28
c)	THE WASP (AND THE GOLDEN MOLE)	29
d)	THE ANT	30
e)	THE TERMITES/WOODWORMS -----	31
f)	THE SPIDER	32
g)	COACHROACHES	33
h)	THE HOUSEFLY	34
i)	BOGONG MOTH	35
j)	SCORPIANS	36
	<b>BIRDS</b>	<b>37</b>
a.	FLAMINGOS	39
b.	BALD EAGLES	40
c.	RAVEN	41
d.	CUCKOO BIRD, COMMON SWIFT AND ABABEEL	42
e.	PENGUINS	43
f.	HENS & DUCKS	44
	<b>ANIMALS</b>	<b>45</b>
a)	ELEPHANT	46
b)	THE CAMEL	48
c)	THE HORSE	50
d)	THE GIRAFFE	51
e)	THE SCAVENGERS	51
f)	THE CAT	52
g)	THE DOG	53
h)	THE FISHING CATS and CHIMPANZEES	54
i)	THE SNAKES AND THEIR ENEMIES: THE MONGOOSE	55
	<b>COLD BLOODED ANIMALS AND FISH</b>	<b>56</b>
1)	THE CROCODILE	57
2)	THE ORCA (THE KILLER WHALE)	58
3)	THE SHARKS	59
4)	DOLPHINS	60
5)	THE BLUE WHALE	61
6)	THE SEALS	62
7)	PIRANHA and THE CRUSIAN CARP	63
8)	THE PRAWNS	64
	<b>ANIMALS THAT CARRY THEIR OWN HOMES ON THEIR BACKS</b>	<b>65</b>
	<b>AMPHEBIANS</b>	<b>66</b>
	<b>DEEP SEA CREATURES</b>	<b>67</b>
	<b>VENOMOUS CREATURES</b>	<b>69</b>
	<b>MORE UNIQUE FEATURES OF ANIMALS</b>	<b>70</b>
	<b>CONCLUSION</b>	<b>73</b>

**REVIEW:**

The following is the Urdu review of the Khateeb of Anjuman-e-Himayat Islam, Fayaz Alaim Sahib, translated by my dear friend Zahida Moosa, retired professor, Crescent School.

Assalaamu Alaikum wa Rahmatullaahi Wa Barkaatuhu. All praise to Allah.

The topic you have chosen and the verses you selected regarding Allah's creation are very appropriate. The fact that it is Allah who created all things and brought them into existence for the convenience of humankind to live in peace and tranquillity is very apt. The explanation given by you is most suitable and applicable, especially for the new young generation, who should be familiar with the fact that everything is mentioned and explained in The Qur'an. Allah says: in Surah An'am 6:38

مَا فَرَّطْنَا فِي الْكِتَابِ مِنْ شَيْءٍ تَنْتُمْ إِلَى رَبِّهِمْ يُحْشَرُونَ - We have not neglected anything in the Register.

Alhamdulillah, all the references mentioned are very important, not only to gain knowledge, but also as a stern warning for all those who have doubts regarding the existence of GOD, the ONE AND ONLY SUPREME CREATOR OF THE UNIVERSE, and consider all that is found in nature has evolved by itself. The noble Quran has emphasised that it was the ONE and ONLY GOD (who we Muslims call Allah), who is ABSOLUTE, and represents the Central Doctrine of Islamic Monotheism (TAWHID). It means that it was Allah Alone who created, crafted, and originated everything. HE is the Ultimate Creator, the Originator, the one who designed the Whole Universe, according to HIS choice, and for the convenience of Humankind.

"Our Lord, YOU did not create this aimlessly, or without purpose; رَبَّنَا مَا خَلَقْتَ هَذَا بَاطِلًا

"Exalted are YOU, above all other Power and strength, so, protect us from the Fire" -

سُبْحَانَكَ فَقِنَا عَذَابَ النَّارِ - Surah al-Imran 3: 191

The above verse of the Quran, you used as a reference regarding creation, gives a clear picture of HIS Pure and Free nature, free from dependence on any other strength.

Therefore, the real victory lies in saving yourself from HIS disobedience, which will lead you to the fire (Hell), by recognising your Rabb (Creator). By being obedient to HIS Decree and Divine Guidance, you can reach a position closer to Allah and be saved from Jahannam (Hell). May Allah guide all of us to know, recognise and understand Him, through HIS OWN SPEECH-THE QURAN, by which we can attain Heaven.

*May Allah guide us all. May Allah help you to do more hard work, increase your knowledge and grant Success in your endeavours. Aameen.*

Wa Sallallahu Alan Nabi, Wassalaamu Alaika Wa Rahmatullaahi Wa Barakatuhu.



**POETRY 2:**

About all the wonderful creations of the universe, Allah mentions,  
to make us realise HIS great ability and Power, in all dimensions  
Every animal, insect, and bird, if analysed, exhibits an exclusive feature,  
That makes us wonder in awe about our Creator.  
When HE is not ashamed to give the example of even flies or mosquitoes,  
Then what can we say of all the other bounties HE bestows?  
Pondering over HIS Creations makes us bow in humility  
And earn HIS pleasure, HE will help us to live with dignity.  
HE created all the faculties that help us move about with ease,  
and live this life with kindness and peace.  
Then how can we misuse HIS bounties,  
By committing sins with our eyes, ears, and other faculties.  
If it were not for the Grace of Allah, we would be nowhere!  
In this life, as confusion reigns everywhere.  
Man should realise the greatness of HIS creations, and see it fit  
To thank HIM for all the bounties HE has showered, for our own benefit.  
Instead, we go on complaining about our children and our wives.  
We are more concerned with the comforts of our worldly lives.  
When a problem or calamity arises, we are frustrated and lost,  
We run towards something other than Allah in pursuit of success at any cost.  
We are not bothered about the Hereafter, where we will attain the reward  
If we struggle to remain patient on the Tawheed that HE has told us to guard.  
Allah is calling towards peace, while humanity remains to the truth, blind.  
Beware, towards Allah's wrath, Satan is ever ready to induce shirk in your mind.  
Let us look around us and realise the great Creation of Allahut'alah,  
And ponder over HIS power and glory to which none can be compared. Wallah.

**THAHIRA IQBAL**

## INTRODUCTION:

Assalaamu Alaikum, dear children, (I am nearing 77, and therefore, nearly all of you are my children). By the grace of Allah, I hope this subject will interest you and revive your desire to learn the beauties of the creation of the Universe, which Allah had created long before man was created, and subjected all that is in it solely for his comfort. Although we can refer to the BBC and NATURAL GEORGRAPHY for more details, we must know that nothing has evolved by itself. Through the verses of the Quran, we can realise GOD's Power, ability and magnificence, when HE declares <sup>Surah Baqarah: 226</sup>, "Indeed, Allah is not timid to present an example - that of a mosquito..." *إِنَّ اللَّهَ لَا يَسْتَحْيِي أَنْ يَضْرِبَ مَثَلًا مَّا بَعُوضَةً فَمَا فَوْقَهَا*

- Every animal, insect, and bird, if analysed, exhibits an exclusive feature that makes us wonder in awe at our Creator.
- Then what can we say of all the other bounties HE has bestowed for our sight, hearing, etc., that help us move about with ease and perform all our daily activities.
- Then what can we say of the sins we commit by misusing His bounties in our daily lives?
- If it were not for the Grace of Allah, we would be nowhere!
- He says that 'all the rest I have given is Sadaqah for you. Go!
- 'I forgive your minor sins as long as you refrain from the major sins.' <sup>Surah An-Nisa, 4:31</sup>

Hence, however much we sing the Praises of Allah and thank HIM for all the Bounties HE has showered upon us, it is not enough. Instead of being thankful to Allah for all HIS favours, we go on complaining about things that HE did not do for us, solely because they may not be good for us.

- We are more concerned with the comforts of our worldly life and ignore HIS warnings.
- *When a problem or calamity arises, we are frustrated and lost, and we run towards something other than Allah, which cannot even create a Qitmir.*
- We are not bothered about the Hereafter, where we will attain the reward for our patience, Taqwah, and struggle to remain on the right path that HE has shown us.

*Allah is calling towards peace, and humanity remains blind to the truth.*

And we must be aware that every moment of our life, Satan is ever ready to mislead us towards Allah's wrath so that we may be thrown into the FIRE which HE has promised to those who disobey HIM. May Allah save us from Satan and help us to obey our dear Messenger Mohammad ﷺ, whom HE sent for our Guidance. AMEEN.

*PLEASE NOTE THAT THE WORD ALLAH IS THE ARABIC WORD FOR GOD, THE SUPREME CREATOR. WE MUSLIMS CALL GOD, 'ALLAH', TO RECOGNIZE THAT WE ARE DENOTING THE SAME GOD WHEREVER HE IS MENTIONED. THIS ARABIC WORD ALLAH HAS NO GENDER NOR A PLURAL FORM, WHILE IN OTHER LANGUAGES THE WORD FOR GOD CAN HAVE PLURAL OR GENDER, GODS OR GODDESSES. WHETHER YOU CALL 'ALLAH', 'ILĀHA', 'ILĀHI', IT ALL DENOTES THE SAME ONE GOD, THE ONE AND ONLY GOD, THE SUPREME CREATOR OF THE WORLD, WHO HAS NO GENDER. ALL THE PROPHETS FROM ADAM TO MOHAMMAD ﷺ BROUGHT THIS SAME MESSAGE, THAT GOD (ALLAH) HAS NO PARTNERS NOR CHILDREN. (SURAH IKHALAS)*

**ACKNOWLEDGEMENT:**

اعوذُ بالله من اَشِيْطَانِ الرَّجِيْمِ - بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِيْمِ -

I cannot thank Allah enough FOR GUIDING me through these valuable manuscripts, enabling me to find the words I needed for the correct Aqeedah of Islam.

I thank my mentor and guide, Imam Fayez Aalam, the Khateeb of Anjuman-e-Himayat Islam (Chennai), for his help in clarifying my doubts, taking the time to correct my compilations, and encouraging me to write more of my books.

I also wish to thank all those who went through my work, and gave their valuable review regarding it, and my children for being constant support for me, and encouraging me, especially my elder son, Salim Iqbal, who saw to it that I had uninterrupted internet connection, and peace of mind to pursue my studies, as well as for my writing. My younger son, Nasser, provided me with a computer with Arabic language, and I thank my daughter, daughters-in-law, and grandchildren who encouraged me whenever I felt low, and gave me the courage to pursue my work and studies.

And, here I cannot help but remember my late parents, who, though unlettered, encouraged me to study in an English-medium Missionary school. This enabled me to study further online, as well as research in comparative religions, and to increase my knowledge, even in my old age (77).

May Allah grant them Jannatul Firdous. Ameen.

Please note that the verses from the Quran have been quoted with the Surah number and the Corresponding Verse Number. Hence, 'Surah Fatiha vs verse 5' will be: 1:5.  
SINCE MOST OF THE QUOTES ARE FROM THE QURAN, I HAVE NOT MENTIONED IT EVERYWHERE.

**DO YOU KNOW?**

**Moths have no stomach!**

**An Ostrich's eye is bigger than its brain!!!**

**A sloth spends 80% of its time sleeping!**

**Emus and Kangaroos cannot walk backwards!**

**A shrimp's heart is in its head!**

**The Octopus gives its life caring for its eggs, till they hatch!**

**It is the male seahorse that gives birth to babies!**

**A Cricket's ears are on its front legs!!**

**The tiny fish have their own colonies.**

**Every creature found on Earth has unique features that make it stand apart.**

**THEN WHICH OF THE FAVOURS OF YOUR LORD WILL YOU DENY?**

## PART I

### 1. WHY DID I CHOOSE THIS AMAZING SUBJECT?

One may wonder, what connection do the wonders of the Creation of Allah have with the Eternal Guidance (the Quran) that Allah has ordered us to follow? In not less than 13 verses, Allah tells us to ponder over HIS creations and realise the exclusive power HE has, which cannot be equated to any other. Allah says in Surah Al-Imran, <sup>3:190</sup>

“Indeed, in the creation of the heavens and the earth and the alternation of the night and the day are signs for those of understanding.” - *إِنَّ فِي خَلْقِ السَّمَاوَاتِ وَالْأَرْضِ وَاخْتِلَافِ اللَّيْلِ وَالنَّهَارِ لَآيَاتٍ لِّأُولِي الْأَلْبَابِ* -

When we look around, as Allah tells us to in various verses of the Quran<sup>1</sup> we cannot but wonder in awe at the method with which HE has provided every detail for each of HIS Creations, which works with clockwork perfection. - Allah tells our Prophet to “Say, ‘If the sea were ink for [writing] the words of my Lord, the sea would be exhausted before the words of my Lord were exhausted, even if We brought the like of it as a supplement.’” *Surah Al-Kahf, 18: 109 / Surah Luqman 31:28*

قُلْ لَوْ كَانَ الْبَحْرُ مِدَادًا لِكَلِمَاتِ رَبِّي لَنَفِدَ الْبَحْرُ قَبْلَ أَنْ تَنْفَدَ كَلِمَاتُ رَبِّي وَلَوْ جِئْنَا بِمِثْلِهِ مَدَدًا -

- “And if you should count the favors of Allah, you could not enumerate them. Indeed, Allah is Forgiving and Merciful.” *Surah Nahl, 16: 18* *وَإِنْ تَعُدُّوا نِعْمَةَ اللَّهِ لَا تُحْصُوهَا ۗ إِنَّ اللَّهَ لَغَفُورٌ رَّحِيمٌ*

Therefore, however much we try to record the wonders of HIS creations, all the encyclopedias would not be sufficient to write them down. Here, I am trying in a small way to bring about a few of them, to make my readers realise the greatness of Allahut’alah. Every creature has a unique characteristic, and all our resources would be exhausted before we could try to discover even a few of them. *May Allah forgive me for any mistakes.* ‘The act of pondering leads to acquiring knowledge, developing moral character, and fulfilling our purpose as vicegerents of Allah on earth. The Quran and Sunnah guide believers to reflect on both scripture and creation, allowing them to develop a profound connection with Allah. Through contemplation, one not only understands life’s purpose but also appreciates the beauty, wisdom, and mercy of God. This reflection leads believers to live mindfully, with gratitude and humility, striving to embody the teachings of Islam.’<sup>(Tafseer- Holy Quran)</sup>. Allah says,

“[This is] a surah which We have sent down and made [that within it] obligatory and revealed therein verses of clear evidence that you might ponder.”<sup>24:1</sup> *Science claims that animals evolve to suit their surroundings. They evolved to adapt to diverse conditions, ranging from the desert areas to the cold*

<sup>1</sup> Al-Quran: 2: 219 / 30: 8 / 59: 21 / 6: 50 / 30: 21 / 39: 42 / 7: 185 / 22: 46 / 40: 57 ---  
“Seeking knowledge is an obligation upon every Muslim.” - Ibn Majah, Hadith 224

Arctic region, through their unique capabilities. *Let us ponder! If so, why does man not develop wings to fly or flaps on his feet that could enable him to swim? They are not able to answer this question.*

*There is no doubt that a Supreme Creator is behind this capability to create all that HE wishes.*

### TO KNOW ALLAH, WE HAVE TO LOOK AT THE SIGNS

- SOME MEN REJECT THE EXISTENCE OF A GOD, a Supreme Creator, who gave all the luxuries that life provides us. Their claim that all matter evolved without anyone to create it holds no water.

- When we look all around, we see that all these miraculous lives cannot originate by themselves. When we refer to the scriptures that explain them, we can understand the power of the Supreme Creator.

- The latest scripture that is not interpolated, the Quran, reveals a vivid picture of the great capability of our Creator. (We call this Creator in Arabic as Allah because it has no gender or plurality):

- “[This is] a blessed book which we have revealed to you, [O Muhammad], that they might *reflect upon its verses and that those of understanding would be reminded.*” — Al-Quran, Surah Sad, 38: 29

كِتَابٌ أَنْزَلْنَاهُ إِلَيْكَ مُبَارَكٌ لِيَدَّبَّرُوا آيَاتِهِ وَلِيَتَذَكَّرَ أُولُو الْأَلْبَابِ

- “Who remember Allah while standing or sitting or [lying] on their sides and give thought (ponder) to the creation of the heavens and the earth, [saying], ‘*Our Lord, YOU did not create this aimlessly; exalted are YOU, then protect us from the punishment of the Fire...*’” — Surah Al-Imran, 3: 191

الَّذِينَ يَذْكُرُونَ اللَّهَ قِيَامًا وَقُعُودًا وَعَلَىٰ جُنُوبِهِمْ وَيَتَفَكَّرُونَ فِي خَلْقِ السَّمَاوَاتِ وَالْأَرْضِ - رَبَّنَا مَا خَلَقْتَ هَذَا بَاطِلًا سُبْحَانَكَ قَبْتَنَا عَذَابَ النَّارِ

- Allah declares, “Do you not see that Allah has made subject to you whatever is in the heavens and whatever is in the earth and amply bestowed upon you HIS Favours, [both] apparent and unapparent? But of the people is he who disputes about Allah without knowledge or guidance or an enlightening Book [from HIM].” Surah Luqman, 31: 20

- “And HE has subjected to you all that is in the heavens, and all that is in the earth; it is all as a favour and kindness from Him. Verily, in it are signs for *people who think deeply.*” Surah Al-Jathiya, 45:13

- “And He has made the sun and the moon, both constantly pursuing their courses, to be of service to you; and He has made the night and the day, to be of service to you.” Surah Ibrahim 14:33

- And among people and moving creatures, and grazing livestock *are various colours.* Only those who fear Allah, from among His servants, who have (strive to gain) knowledge, can avail of it. Indeed, Allah is Exalted in Might and Forgiving. (Al-Quran, Surah Fatir, 35: 28)

وَمِنَ النَّاسِ وَالْدَوَابِّ وَالْأَنْعَامِ مُخْتَلِفٌ أَلْوَانُهُ كَذَلِكَ ۗ إِنَّمَا يَخْشَى اللَّهَ مِنْ عِبَادِهِ الْعُلَمَاءُ ۗ إِنَّ اللَّهَ عَزِيزٌ غَفُورٌ

- And Allah says in various verses of the Quran, “*in the grazing stock you can have a lesson...* from what is in their bellies - between excretion and blood - pure milk, palatable to drinkers. <sup>16:66</sup>

- And from the bellies of bees, you get sweet honey, which is healing for people. <sup>16: 69</sup>

- We must be aware that the purpose of all that Allah has given us in this life is for us to be thankful and strive hard toward HIS pleasure, so that we can return to the Paradise which was lost when Adam (as) disobeyed Allah.

#### HOW CAN YOU **NOT BELIEVE** IN A SUPREME CREATOR AFTER THIS?

- According to the International Union for Conservation of Nature (IUCN), there are approximately 8.7 million species on Earth. Only 1.2 million of these species have been scientifically described and catalogued, meaning 80% has not been discovered.

Scientists have found that there are living beings, from millions to trillions. 5 to 10 million of them are eukaryotes (cells or organisms that possess a clearly defined nucleus), excluding viruses and bacteria.

And He creates *“that which you do not know.”* 16:8 - وَيَخْلُقُ مَا لَا تَعْلَمُونَ

- Allah declares in Surah Al-An'am - *“And there is no creature on [or within] the earth or bird that flies with its wings except [that they are] communities like you. We have not neglected to register anything. Then unto their Lord they will be gathered.”* 6:38

وَمَا مِنْ دَابَّةٍ فِي الْأَرْضِ وَلَا طَائِرٍ يَطِيرُ بِجَنَاحَيْهِ إِلَّا أُنمِّئَتْ لَهُمْ مِنْ عِنْدِ رَبِّهِمْ يَوْمَئِذٍ مِمَّا قَرَّبْنَا فِي الْكِتَابِ مِنْ شَيْءٍ ثُمَّ إِلَىٰ رَبِّهِمْ يُحْشَرُونَ

- وَمَا مِنْ دَابَّةٍ فِي الْأَرْضِ إِلَّا عَلَىٰ اللَّهِ رِزْقُهَا - (“and HE provides everything that moves, their food...”11:6)

- As Allah says in the Quran, **Allah has created every [living] creature from water.** And of them are those that move on their bellies, and of them are those that walk on two legs, and of them are those that walk on four. Allah creates what He wills. Indeed, Allah is over all things competent. – 24:45

فَمِنْهُمْ مَّنْ يَمْشِي عَلَىٰ بَطْنِهِ وَمِنْهُمْ مَّنْ يَمْشِي عَلَىٰ رِجْلَيْنِ وَمِنْهُمْ مَّنْ يَمْشِي عَلَىٰ أَرْبَعٍ ۗ يَخْلُقُ اللَّهُ مَا يَشَاءُ ۗ إِنَّ اللَّهَ عَلَىٰ كُلِّ شَيْءٍ قَدِيرٌ –

- We see among the living creatures that some fly, some slither, some swim, some walk on two legs, on four legs, or even as many as 100 - 1000 legs like the centipede and millipede.

There are creatures with two wings, four wings and even eight wings! We see wide varieties in the creations of Allahu Subhanat’alah. Every species has unique characteristics and properties that enable it to thrive in its ecosystem, which shows the creative power of Allah.

- وَاللَّهُ خَلَقَ كُلَّ دَابَّةٍ مِنْ مَّاءٍ - “Allah has created every [living] creature from water.” 24:45

These words were revealed 1447 years ago, but only recently has science discovered that everything is composed of cells, and 70 to 80 per cent of cells are made from water. Subhan Allah.

Is it not a miracle of Allah? Can man or any other being create even an atom that can move and thrive by itself? And every other day, new species are being discovered by man, which is mind-boggling and awe-inspiring. - Of the species we do know about, every living being has a unique feature, some of which are microscopic, such that they cannot be seen with the naked eye.

**IMPORTANCE OF SEEKING KNOWLEDGE:**

In the Quran, Allah orders us to seek knowledge, and by it to realise HIS Greatness.

Allah informs us in Surah Fatir <sup>(35:27)</sup>, “whoever ponders over MY verses can only feel awe and fear of the Great power of Allah, that can be understood only by those who have intellect.”

- This knowledge is extremely essential to realise the greatness of Allah, which will make man fear HIS anger if they disobey HIS command.

- It is this knowledge that made the angels acknowledge Man’s status above them and readily prostrated before Adam <sup>عليه وسلام</sup>, when Allah ordered them to do so. It is important to note that the Quran is not merely a book of magic to be recited for our cure and peaceful existence.

- It is also a book where Allah reveals the marvels of HIS creations so that we may realise HIS greatness and fall in prostration before HIM in awe.

**Allah tells us to learn:**

**Science:** Water rises as scattered clouds join together, and from its midst, rain falls from the sky and revives the dead earth, with crops of varying colours...” -----Al-Quran, Surah 25:49 / 39:21

The various stages of human growth in the womb and outside are clearly outlined at every step:

-Sperm-ovum- clot -leech-figure-baby-youth-old age and last- death. ---Al-Quran, Surah 40:67 & 22:5

**History:** Tales gone by, of several generations destroyed (because of their arrogance and transgression), and of how new civilisations were born —and they were stronger and wealthier than us. - Surah 50:36

**Geography:** Travel through the earth and see how some places are lush green and prosperous, and others are dry. Many verses of the Quran mention this.

**Nature studies:** How the sun, Moon, stars, and other heavenly planets move seemingly without support, without a flaw! -- The various planets are floating in perfect orbit!! <sup>Surah Yaseen, 36:40</sup>

How the sky is held up without visible pillars--

The mountains are pegs to hold the land from sliding- <sup>Al-Quran, Surah 16:15</sup>

The various fauna and flora are found in different hues and qualities! <sup>Al-Quran, Surah 16: 12, 13</sup>

How animals in pairs have been subjected to man for his food, and travel - <sup>Al-Quran, Surah 16:5</sup>

How bees go out for miles together and come back. Who shows it the way?

How, they, the bees, eat of the fruits and there comes forth from their bellies, a drink of varying colour, wherein there is a healing for man! —<sup>Al-Quran, Surah 16: 68/69</sup>

**Zoology:** the seawater is salty, and we get fish, fresh and tender. — <sup>Al-Quran, Surah 16: 14</sup>

The pearls and corals recovered from the depths of the ocean- <sup>Al-Quran, Surah 16: 14</sup>

**Botany:** About different types of trees and plants that are all watered by the same water.

And we get different fruits and vegetables, etc. --- <sup>Al-Quran, Surah 13: 4</sup>

'Metrology, Gravity, Hydrostatics, Climatology, Hygrometry, and a dozen other sciences are involved, and yet no man can completely master them! All this and many other wonders are mentioned in the Quran. The knowledge that Man has only recently acquired.' (Tafseer from the Holy Quran)

All this is only a part of what is given in the Quran that Allah (Subhanat'alah) has asked us to observe, learn, and wonder! Wonder at the greatness of Allahut'alah.

*But we are ignoring this aspect. Yes, the Islamic world did produce many intellectuals. Yes, many Muslim doctors and scientists have invented technologies that are still used, benefiting humanity. But all that stopped in the past centuries.*

Today, we are either running after worldly wealth and pleasures,

OR being too secluded in a cocoon, thus giving others a chance to criticise us.

If only we had academic as well as spiritual education, we would not have fallen into this deep ravine of despair that we witness worldwide in Muslim nations.

If only those who are wealthy had, instead of flaunting their wealth and hoarding it in the West, been strict in paying their zakat and Sadaqa (charity), and if only they had helped Muslims all over the world improve their education, we would also have been respected by the world.

Instead, we are fighting and dividing ourselves into sects, Madhhabs, deviant thoughts, etc., criticising each other and pulling down each other from advancing, which is ruining us. We forget that it was from us that the West and European countries learnt the etiquette of cleanliness, discipline, punctuality, and unity, which saved them from the Dark Ages. On the other hand, today we have failed to implement what Allah has taught through our dear Prophet ﷺ.

Let our Ummah concentrate on moulding their children towards the right path, teaching them spiritual as well as academic sciences that will help them to realise the greatness of their Creator, and strive to reach HIS pleasure through obeying our Prophet ﷺ, whom HE has sent as a practical example for us to learn how to live in peace and happiness. Let us learn to respect all that Allah has created. This mind-boggling knowledge will teach us humility and awe for our Creator.

"Verily! In the creation of the heavens and the earth, and in the alternation of night and day, and the ships which sail through the sea with that which is of use to mankind, and the water (rain) which Allah sends down from the sky and makes the earth alive therewith after its death, and the moving (living) creatures of all kinds that He has scattered therein, and in the veering of winds and clouds which are held between the sky and the earth, are indeed Ayat (proofs, evidences, signs, etc.) for people of understanding." (Surah Al-Baqarah, 2:164)

*Scientists today have discovered that the world was created billions of years ago, before Humans. Allah does not contradict this fact when HE declares that "HE created the world and all that is in it, in six periods for the benefit of Humankind" Surah A'raf, 7:54. We must remember that the Quran is not a Book of science but a book of signs of Allah's creation and the law that guides mankind, which, if followed, can bring eternal peace.*

## THE SOLAR SYSTEM.

Through recent research, Scientists have discovered that the solar system comprises the heavenly bodies with the sun at its Centre, keeping the other planets balanced around it by its super-gravitational force. (If interested, please refer to the link regarding recent research: [https://www.youtube.com/watch?v=eYZI\\_Xor1Rc](https://www.youtube.com/watch?v=eYZI_Xor1Rc))

### SUN, MOON, AND ALL THE HEAVENLY BODIES ROTATE ON THEIR ORBIT.

Allah asks: “Do you not see the sun and the moon all float in its orbit?” (Al-Quran, Surah al-Anbiya, 21:33)

This verse mentions facts discovered a thousand-plus years later by modern astronomy: that the sun and moon have individual orbits and that they rotate. It was only in 1609 that scientists discovered that all the planets not only move in elliptical orbits around the sun, but they also rotate on their own axes. Much later, they declared that the sun too was not stationary but also rotates on its own axis every 25 days. It also travels in an orbit at approximately 150 miles per second and takes about 200 million years to complete one revolution around the Milky Way. This knowledge enabled the European scientists to explain with precision many of the mechanisms of the solar system, including the sequence of day and night.

#### a. NIGHT AND DAY:

*“He created the heavens and earth in truth. He wraps the night over the day and wraps the day over the night and has subjected the sun and the moon, each running [its course] for a specified term.”*

خَلَقَ السَّمَاوَاتِ وَالْأَرْضَ بِالْحَقِّ ۗ يَكْوِّرُ اللَّيْلَ عَلَى النَّهَارِ وَيَكْوِّرُ النَّهَارَ عَلَى اللَّيْلِ ۗ  
- وَسَخَّرَ الشَّمْسَ وَالْقَمَرَ ۗ كُلٌّ يَجْرِي لِأَجَلٍ مُّسَمًّى ۗ أَلَا هُوَ الْعَزِيزُ الْغَفَّارُ - (Soorah Az-Zumar, 39: 5)

The original meaning of the verb ‘yukawwiru’ (يَكْوِّرُ) is to wind or coil a turban around one’s head. This is a clear, valid description. It was not until humans reached space that they observed the Earth spinning on its axis; the dark half of the globe appeared to wind itself around the light half and vice versa.<sup>2</sup>

“The Sun runs on its fixed course for a term.” The term *mustaqarr* means “place of settling.”<sup>3</sup> And indicates that the sun has an exact appointed place and time, where and when its course will end. Early commentators explained that this would be the Day of Resurrection, when it would halt and be rolled up, and the world would come to an end. ‘Modern astronomy confirms that the solar system is indeed moving in space towards a point situated in the constellation of Hercules (alpha Lyrae), whose exact location has been precisely calculated and given the name “the solar apex.”’ Tafsir Ibn Kathir, vol., p. 197.

<sup>2</sup> 1971, The Qur’an and Modern Science, p. 23.

<sup>3</sup> Al-Jaami ‘li Ahkaam al-Qur’an, vol., p. 25

### b. THE SURFACE OF THE SUN:

The heat of the Sun's core is 14,000,000 degrees centigrade. And at its surface, it is 5000 degrees. The rays of light that reach us were formed in the Centre of the sun thousands of years ago, but reached the surface with great difficulty and the Earth within 8 minutes. It is so far away. Besides light, the sun emits harmful rays that can cause harm to life.

The Ozone layer protects our atmosphere by preventing these rays from entering. The Sun's surface is continually in motion, and tongues of Flame leap outwards. These tongues of Flame are called *Prominences*. Sometimes these Prominences reach out thousands of miles into space and are visible only during an Eclipse.

### c. HOW ARE THE SUN AND THE MOON USEFUL TO US?

- The sun exhibits an intricate design, a delicate balance to maintain the ecosystem and sustains life on Earth. It displays the incredible intelligence of its Designer, who created the sun and the moon so that we may calculate the days, months, and years. <sup>10:5 /71: 1</sup>
- HE is the ONE who made the sun, as a lamp, gives us warmth, while the moon is a reflected light for visibility at night." <sup>10:5</sup> "And made the moon therein a [reflected] light and **made the sun a burning lamp?**" - <sup>71: 16</sup> **وَجَعَلَ الْقَمَرَ فِيهِنَّ نُورًا وَجَعَلَ الشَّمْسَ سِرَاجًا**
- The sunlight helps the plants to produce photosynthesis, which enables them to grow. The rotation and revolution of the sun cause the seasons not to be concentrated in one spot, and all parts of the Earth can experience them. (The fact that the sun is the only source of energy and the moon, a reflected light, has been discovered only recently.)



**d. AURORAS.** <sup>4</sup> Auroras are one of the most mesmerising naturally occurring phenomena in the sky. Normally, these natural wonders can be spotted near the Arctic or Antarctic Circles. The Royal Museum Greenwich report explains this process, "Solar storms blast charged particles toward Earth, drawn to our magnetic poles. They crash into atmospheric gases, heating them to glow, like neon signs in space. Oxygen glows with a green colour at 100-200 km up; nitrogen adds purple, blue, or pink. *However, no one can explain HOW or WHO caused this wonderful glow to appear in the sky, which mesmerises and humbles all those who watch. Do you not see the hand of the Supreme Creator in this phenomenon?*

<sup>4</sup> <https://timesofindia.indiatimes.com/etimes/trending/dancing-skylights-why-do-auroras-shine-in-different-magical-colours-across-skies/photostory/126147831.cms?picid=126147839>

### e. THE BLACK HOLES

Everything on earth will perish – كلُّ من عليها فان – <sup>55: 26</sup>

Today, man has discovered that even the stars do not last forever.

A star shines brightly because hydrogen nuclei at its Centre are continuously fusing, releasing a tremendous amount of heat and light. Eventually, the stars run out of hydrogen and other fuels! When this happens, some stars flare up like a red giant! This being unstable, puffs off its outer layers and drifts into outer space, appearing like huge smoke rings called Nebulae. If the stars are big, the core will start collapsing to form a very, very dense body - a super-dense Globe - called a Neutron Star. It weighs millions of tons, spins very rapidly and emits bursts of radiation. Finally, all that is left is a very dense white star. This gradually cools down till it is only a dark cinder in space.

Some stars shrink even further and form a black hole: a huge amount of matter heavily compressed into a small space. The black hole has such a tremendous Gravitational pull that it sucks in anything close to it. And anything that goes inside a black hole never comes out again. It is lost forever. *A Black hole does not even let light come out. Thus, we cannot see a Black hole. It is totally invisible. Today, some scientists believe that there are huge black holes at the Centre of most galaxies, including our Milky Way, devouring entire stars at a gulp.*

### f. THE PROTECTIVE LAYER AROUND THE EARTH: <sup>5</sup>

Science tells us that the 'Outer Space is full of potentially dangerous objects – objects such as asteroids, comets, meteoroids, and even man-made satellites that pose a risk to our planet. It is quite common for meteors, some as small as a pebble, to hit the moon at tremendous speed. However, we, on Earth, are protected from these objects crashing into Earth's surface and causing significant damage because the atmosphere around Earth consists of 78% Nitrogen, 21% Oxygen, and 1% other gases. When the debris flies through the atmosphere of the Earth at great speed, these gases compress very quickly, causing a great amount of heat, as high as 3000 degrees F (1650 Degrees Celsius), that burns them up as they fly past. *Do you not see Allah's benevolence here? Have you wondered how we are protected? If it were not for the gravitational pull, the gases would have escaped into space, leaving the Earth without sufficient air to survive! And yet, when something enters the Earth's atmosphere, it is repelled and burned up to protect us from destruction. Have we ever realized it and thanked Allah?*

---

<sup>5</sup> < science.howstuffworks.com › question308 >/ < <https://www.outerspaceuniverse.org/how-earths-atmosphere-burns-meteors-comets-and-other-space-debris.html> >

### MOUNTAINS OF DIFFERENT HUES.

We see in Northeast China, in 'Shania Danzi Zoological Park', a range of mountains called 'Rainbow Mountains.' The beauty of these mountains has attracted many tourists. It appears as if an artist has coloured the whole mountain range with numerous colours – red, blue, white, black, etc.- all the colours of the Rainbow are seen in this range, which has made people wonder at its beauty.

This area was declared as, one of the wonders of the world by UNESCO IN 2009. A similar range is also found in Peru, in South America. But do you know that the Quran (Surah Fatir, 35:27) mentions this geological wonder more than 1450 years ago.

"Do you not see that Allah sends down rain from the sky, and We produce thereby fruits of varying colours? *And in the mountains are tracts, white, red, in varying shades, with some extremely black.*"

أَلَمْ تَرَ أَنَّ اللَّهَ أَنْزَلَ مِنَ السَّمَاءِ مَاءً فَأَخْرَجْنَا بِهِ ثَمَرَاتٍ مُخْتَلِفًا أَلْوَانُهَا  
- وَمِنَ الْجِبَالِ جُدَدٌ بَيضٌ وَحُمْرٌ مُخْتَلِفٌ أَلْوَانُهَا وَعَرَايِبُ سُودٌ

Allah describes this miraculous creation of HIS with the exact words, and from some of the mountains, you see white, red, black, and many different colours. If we ponder over the words: **جُدَدٌ** – means 'like drawn with different colours to differentiate the paths', or 'like it is drawn by hand, like the lines drawn on a zebra.' *When nobody had travelled so far, to China or America, which was not even discovered 1450 years ago, how could it be mentioned in the Quran?*

### MOUNTAINS AS PEGS:

"Have We not made the earth as a bed, and the mountains as pegs?" (Al-Quran, 78:6-7)

"And He has set firm mountains in the earth so that it would not shake with you..." (16:15)

"And WE have placed on the earth firm mountains, lest it should shake with them, and WE placed therein broad highways for them to pass through, that they may be guided." – (21:31)

Scientists have discovered that mountains are not as we see only on the surface, but stretch many miles below the surface, which helps the Earth remain stable and prevents it from shaking. This knowledge about the role of mountains in plate tectonics was discovered only as late as the 1960s. Scientists have uncovered colossal mountains a hundred times taller than Mount Everest, buried 400 miles underground, where hidden chambers, tunnels, and forgotten spaces reveal an underground city in Scotland. <sup>6</sup>

<sup>6</sup> medium.com › tech-explorers › two-giant-mountains › dt. 27. 1. 2025

**MOUNTAINS AS A BARRIER TO BLOCK THE CLOUDS:**

The mountains act as a barrier when the monsoon winds blow, causing the rain-laden clouds to rise above and cool down into raindrops.

"Have you not seen how God makes the clouds move gently, then joins them together, then makes them into a stack, and then you see the rain come out of it, ...The flash of its lightning almost takes away the eyesight." (Quran, 24:43)

أَلَمْ تَرَ أَنَّ اللَّهَ يُزْجِي سَحَابًا ثُمَّ يُؤَلِّفُ بَيْنَهُ ثُمَّ يَجْعَلُهُ رُكَّامًا فَتَرَى الْوَدْقَ يَخْرُجُ مِنْ خِلَالِهِ وَيُنزِلُ مِنَ السَّمَاءِ مِنْ جِبَالٍ فِيهَا مِنْ بَرَدٍ فَيُصِيبُ بِهِ مَنْ يَشَاءُ وَيَصْرِفُهُ عَنِ مَنْ يَشَاءُ ۚ يَكَادُ سَنَا بَرْقِهِ يَذْهَبَ بِالْأَبْصَارِ -

**WHAT IF THE RAIN DID NOT FALL IN DROPS, BUT ALL AT ONCE?**

*"...And He sends down from the sky, mountains [of clouds] within which is hail, and He strikes with it whom He wills and averts it from whom He wills."* 24:43

We recently heard (in August 2025) that a cloud burst descended on the land in Dharali, Uttarakhand, India, devastating the entire village and causing significant loss of life and property. It caused flash floods, leaving four dead and many injured. Those who went to save lives also have disappeared without a trace. This only reminds us of the benevolence of Allahut'alah in sending rain upon us in drops. Subhan Allah! Truly, our Lord is the Creator of everything, and HE knows best what is good for us.

Scientists say that if rain did not fall in tiny droplets but came down as one solid mass, it would fall at the speed of a missile. The force of that impact would destroy everything in its path. Just fifty such giant drops hitting the earth would release energy equal to an atomic bomb, leaving a huge crater behind. Then, which of the Favours and Mercy of this great SUPREME CREATOR can we deny?

Now look at what the Quran says: "He is the one who sends down the rain from the sky, measured according to need." Surah Zukhruf: 43:11 وَالَّذِي نَزَّلَ مِنَ السَّمَاءِ مَاءً بِقَدَرٍ فَأَنْشَرْنَا بِهِ بَلْدَةً مَيْتًا ۚ كَذَلِكَ نُخْرِجُونَ -

Have you ever thanked Allah for the provision HE bestows by sending rain upon the dead earth within limits so as not to drown the crops, and from which different types of plants grow that feed human beings and animals? Did all this evolve by itself?

"Indeed, in the creation of the heavens and earth, and the alternation of the night and the day,... and what Allah has sent down from the heavens of rain, giving life thereby to the earth after its lifelessness and dispersing therein every [kind of] moving creature, and [His] directing of the winds and the clouds controlled between the heaven and the earth are signs for a people who use reason." - 2:164

إِنَّ فِي خَلْقِ السَّمَاوَاتِ وَالْأَرْضِ وَاخْتِلَافِ اللَّيْلِ وَالنَّهَارِ وَالْفَلَكَ الَّتِي تَجْرِي فِي الْبَحْرِ بِمَا يَنْفَعُ النَّاسَ وَمَا أَنْزَلَ اللَّهُ مِنَ السَّمَاءِ مِنْ مَاءٍ فَأَخْيَا بِهِ الْأَرْضَ بَعْدَ مَوْتِهَا وَبَثَّ فِيهَا مِنْ كُلِّ دَابَّةٍ وَتَصْرِيفِ الرِّيَّاحِ وَالسَّحَابِ الْمُسَخَّرِ بَيْنَ السَّمَاءِ وَالْأَرْضِ آيَاتٍ لِقَوْمٍ يَعْقِلُونَ -

## PART II

### THE FOOD AND OTHER PROVISIONS OF NATURE

The Lord of the Universe has created innumerable plants and herbs to fulfil the social, economic, nutritional, and medicinal needs of human life in this world. Numerous verses in the Quran remind us of the provisions Allah has bestowed, for our comfort and ease. Allah mentions many plants and trees that produce fruits with medicinal properties.

- Allah has created for man and has subjugated to him what is in the heavens and on earth, so that he may benefit from it and enjoy it, and meet his needs, and use it to help him to worship Allah. "He it is Who created for you all that is on earth." Surah Al-Baqarah 2:22

- "Then, let man look at his food: We pour forth water in abundance. And WE split the earth in clefts. And WE cause therein the grain to grow, and grapes and clover plants (i.e., green fodder for the cattle), and olives and date palms, and gardens dense with many trees, and fruits and herbage. [To be] a provision and benefit for you and your cattle." [Surah 'Abasa, 80:24-32]

- "And Allah has made for you in your homes an abode, and made for you out of the hides of the cattle (tents for) dwelling, which you find so light (and handy) when you travel and when you stay (in your travels); and of their wool, fur, and hair (sheep wool, camel fur, and goat hair), furnishings and articles of convenience (e.g. carpets, blankets), comfort for a while." [An-Nahl 16:80]

- 'The Hadith in Sahihain (Bukhari and Muslim) states that Allahut'alah has sent the cure for every disease on earth. If medical professionals have not found a cure for particular diseases, it proves their lack of research, nothing else. The scientists have not been able to find the power of all plants and herbs that can cure certain diseases.' Source: Islamqa.info.com

*LET US FIND THE BENEFITS OF A FEW OF THE PROVISIONS THAT ALLAH HAS PROVIDED FOR US:*

#### 1) DATES:

- In Surah Mariam, Allah instructs Maryam (ral) to shake the trunk of a date palm, resulting in fresh dates falling from the date palm, to nourish her. This powerful moment highlights not only the significance of faith but also the health benefits of dates during pregnancy.

- Dates are in themselves a complete food, and we can survive with only consuming dates and water for many days. We find that the Prophet ﷺ used to go without food for numerous days, with only dates and water for his nourishment.

- Modern studies have proved that dates can aid in childbirth. They are packed with essential nutrients, help reduce labour time, and support uterine health. Consuming dates improves the health of both the mother and child. We are truly grateful to Allah for his blessings through providing natural nourishment in our lives, and for teaching us ways to cure ourselves through them. Dates

have all the nutrients needed for our well-being. It contains Calcium, phosphorus, Iron, copper, sulfur, magnesium, silicon, Chlorine, Potassium, thiamin, niacin, and Sodium. There are more than 100 varieties of Dates, and each has a different taste, colour, and flavor.

*DO ALL THESE EVOLVE BY THEMSELVES WITHOUT A MAGICAL TOUCH OF THE CREATOR?*

## 2) HONEY:

Allah mentions in the Quran that Honey is a healing and nourishment for us.

- In Surah An-Nahl (16:69), Allah describes honey as a miraculous product of the bees:

“From their bellies comes a drink of varying colours, in which there is healing for people.” This verse emphasizes honey as a natural remedy with medicinal benefits, serving as a sign for those who reflect on creation. - <sup>7</sup>

ثُمَّ كُلِّي مِنْ كُلِّ الثَّمَرَاتِ فَاسْلُكِي سُبُلَ رَبِّكِ ذُلُلًا يَخْرُجُ مِنْ بُطُونِهَا شَرَابٌ مُخْتَلِفٌ أَلْوَانُهُ فِيهِ شِفَاءٌ لِلنَّاسِ ۗ إِنَّ فِي ذَلِكَ لَآيَةً لِقَوْمٍ يَتَفَكَّرُونَ

Honey, with its rich, golden hue and soothing sweetness, has been noted as a powerful superfood and medicinal source for thousands of years.

Honey is nature’s energy booster, rich in carbohydrates, mainly fructose and glucose, which are excellent energy sources. It contains many vitamins, minerals, and antioxidants that contribute to its health-boosting properties. Among these are vitamin C, calcium, and iron, with darker honey typically containing higher levels of these minerals than lighter honey.

Honey is used for many ailments.

- It suppresses the cough in children above one year old. Some studies show that it is more effective than cough medicines. Honey is an old home remedy for cough and sore throat. Its antioxidant and antimicrobial properties can soothe the throat and reduce cough frequency. (However, small babies should not be given too much honey, as it can cause botulism.)
- It heals wounds due to burns or skin ulcers.
- It has anti-bacterial and anti-fungal properties. When diluted in water, it is more effective and can be used to cure skin diseases by washing babies with this dilution.
- Promotes heart health and reduces risk of heart disease.
- Improves Sleep: Honey promotes the formation of melatonin due to its tryptophan content, which helps the body recover during sleep.

<sup>7</sup> <https://al-dirassa.com/en/honey-in-the-quran7-unique-health-benefits-of-honey/#>

### 3) OLIVE OIL: <sup>8</sup>

“And [We brought forth] a tree issuing from Mount Sinai which produces oil and food for those

who eat.” *وَشَجَرَةً تَخْرُجُ مِنْ طُورِ سَيْنَاءَ تَنْبُتُ بِالذَّهْنِ وَصَبْغٍ لِلآكِلِينَ*

What are the great properties of Olive oil that Allah mentions in Surah al-Mu'minun, <sup>23:20?</sup>

Olive oil is a type of fat derived from olives. There are many types of olive oil, but they are all made through a process that involves washing, crushing, milling, and pitting olives to obtain their oil.

It is the natural oil extracted from olives, the fruit of the olive tree, and is rich in healthy monounsaturated fats.

- And studies show that oleic acid, present in olive oil, reduces inflammation, oxidative stress, and has beneficial effects on genes linked to cancer. Olives contain antioxidants that help reduce the risk of chronic heart disease and protect the nervous system.

- It can protect against atherosclerosis. Science recently reported that people with heart disease who followed an olive oil-rich Mediterranean diet for a few years showed a decrease in progression, compared to those who followed a low-fat diet. Inflammatory diseases also decrease when taking 1 to 50 mg of olive oil.<sup>9</sup>

Consuming olive oil helps reduce disease-causing bacteria, stimulates the growth of protective bacteria, and increases the production of short-chain fatty acids, maintaining a healthy balance of bacteria in the digestive tract that is essential for gut health.

- Studies show - A tablespoon of olive oil provides around 20% of the recommended intake for vitamin E, which is good for our hair and skin.

Thus, we find that Olive oil has anti-inflammatory properties that help prevent heart disease, cancer, Metabolic syndrome, type 2 diabetes, Alzheimer's disease, rheumatoid arthritis, and obesity. Its resistance to high heat makes the extra virgin olive oil a healthy choice for cooking.

‘In a quiet village in Crete, Greece, an olive tree between 2,000 and 4,000 years old continues to produce new leaves and small olives, as if time had stood still.’ <sup>10</sup>

#### *CAN YOU NOT SEE THE HAND OF THE CREATOR IN ALL THESE MIRACULOUS PROVISIONS THAT MAN TAKES FOR GRANTED?*

*Each variety of the creations of Allah has a unique constituent that helps us lead a balanced, healthy life, which saves us from many diseases. Many more are the vegetations on the Earth that Allah has provided for our benefit. It would suffice for me to mention that everything that grows on earth has some medicinal value. Our Prophet ﷺ has said, ‘Allah has not sent down a disease except that He has also sent down its cure.’ Sahih al-Bukhari 5678 / Şaḥīḥ Muslim 2204*

<sup>8</sup> <https://www.healthline.com/nutrition/11-proven-benefits-of-olive-oil>

<sup>9</sup> <https://www.mindbodygreen.com/articles/the-health-benefits-of-olive-oil>

<sup>10</sup> ECOticias.com <https://search.app/tUDQr>

**EUCALYPTUS: <sup>11</sup>**

This is another tree whose aromatic leaves have medicinal properties. These trees can reach heights of up to 300 feet. Predominantly found in Australia, numerous species exist, each with its own characteristics. However, they can adapt to other environments and are found in many countries. One of the unique features of this tree is that its leaves have rich aromatic oil glands, which are also beneficial for medicinal purposes and less appealing to herbivores, making them suitable for use as insecticides.

*Additionally, shedding their bark helps protect the trees from fires, enabling them to regrow and thrive in fire-prone regions. These adaptations showcase the resilience and unique characteristics of eucalyptus trees. They can be grown from their small seeds. After they mature, beautiful aromatic flowers bloom, attracting bees and other pollinators. Once they mature, they shed their bark, revealing stunning colours and textures. And their leaves change colour as they age. Being strong and durable, they are of high economic value. Their amazing properties and unique attributes leave us in wonder and awe. Every part of this tree is utilised: The timber for construction, flooring, furniture, and paper production. The Eucalyptus oil from their leaves is used for cosmetics, aromatherapy, and pharmaceuticals. Honey production thrives because the bees extract honey. Hence, they have been culturally treasured and celebrated for thousands of years for their rich history and their ability to provide shelter, food, and medicine.*

*However, the tallest tree in the world is the Hyperion tree, another species, about 700 to 800 years old, reaching approximately 379 feet in height. It is found in Redwood Park, in California. It is also the tallest living organism on Earth.*

**THE BANYAN TREE:** *Another unique creation of God is the banyan tree, the king of trees. India's national tree, the Banyan, symbolises strength, unity, and eternal life and has many medicinal properties. This tree can live for many centuries. One of the largest in the world is found in Andhra Pradesh, India, with a circumference of 5.2 acres dating back more than 550 years.<sup>12</sup>*

*It is Unique in its sprawling canopy, aerial roots that descend to form new trunks, and longevity. Its vast expanse provides shade under its cool canopy, for humans who use it for community gatherings, and it is a calm haven for countless birds, animals, and insects. Transpiration keeps the climate cool. The air is pure under its vast expanse, and ever-growing roots hold the soil together, preventing soil erosion even during floods. DO YOU STILL THINK THAT ALL THIS ORIGINATED BY THEMSELVES?*

<sup>11</sup> <https://greenpacks.org/facts-about-eucalyptus-trees/>

<sup>12</sup> <https://www.cheggindia.com/general-knowledge/national-tree-of-india/>



4) **THE COCONUT:** The coconut palm, with its distinct tall and dwarf varieties, offers a range of benefits, from copra and oil production to tender coconut water. Originally native to the Central Indo-Pacific, they are found in coastal tropical regions. It has no bark or branches, but is a large stem, with a broader base, topped by a growth of large leaves called fronds. The coconut tree provides food, fuel, cosmetics, folk medicine and building materials. The tree also yields, on tapping, a good quantity and quality of coconut juice or toddy, which can be fermented into jaggery or sugar, and also for both edible purposes and soap manufacturing. Since the tree is perennial (gives fruit throughout its life), it is profitable for farmers. *Have you ever wondered how the coconut pulp and water are ready for use once they mature? They are actually well-designed natural packaging that our Creator has provided to support life and provide us with vitamins and minerals.*

#### 5) POMEGRANETE:

Pomegranates are round, red fruits. They are packed with nutrients, low in calories and fat, but high in fibre, vitamins, and minerals. They feature a white inner flesh packed with crunchy, juicy edible seeds called arils. These arils are rich in nutrients, which help keep us vibrant and healthy.

- They are rich in antioxidants that help to prevent diseases and *keep heart disease, type 2 diabetes, and cancer* at bay. However, diabetics cannot take it due to its high sugar content.
- Human studies have found that pomegranate extract can help regulate the concentration of oxalates, calcium, and phosphates in the blood, which are common components of *kidney stones*, and prevent their recurrence.
- *They fight microorganisms and protect oral health by reducing the growth of germs that cause bad breath and tooth decay.*
- *They help us to do workouts without getting very tired. Some studies show that the antioxidants help protect the brain against Alzheimer's and Parkinson's disease by reducing oxidative damage and promoting the survival of brain cells.*
- *Pomegranate arils are also rich in fibre, which serves as fuel for probiotics and helps prevent certain digestive health conditions.*
- *Drinking its juice every day for 2 months may lower systolic and diastolic blood pressure. 'A 2023 systematic review also found that consuming pomegranates every day can improve cognitive function in healthy individuals and lower the chance of Cognitive Impairment, which means: to process information related to learning, remembering, and understanding information.'*
- *Thus, we can conclude that the Pomegranate is a superfood that can be consumed daily. This is because it contains antioxidants along with a variety of vitamins and minerals. Allah mentions the pomegranate among the other fruits that benefit us.*

## PART III

LET US MARVEL AT SOME OF THE WONDERFUL CREATURES FOUND IN THIS WORLD.

### INSECTS

Insects are the most successful, widespread, and prolific members of the animal kingdom. They are members of the phylum Arthropoda, which also includes arachnids, centipedes, and crustaceans. All arthropods are invertebrates with exoskeletons (*a rigid covering found on the exterior of some animals*) and jointed limbs. Two prominent features distinguish insects from other arthropods and all other animals: they have bodies divided into three segments, head, thorax, and abdomen, and they have six jointed legs. Other common insect features include compound eyes, wings, antennae, and MULTIPLE-STAGE LIFE CYCLES.

We may have studied that Insects live complex life cycles, and many undergo complete metamorphosis. Insect species that undergo complete metamorphosis pass through egg, larva, and pupa stages before reaching adulthood. The larva that emerges from the egg may look very different from the mature insect. A caterpillar has more than six legs and multiple body segments and does not appear to be an insect at all. Yet it is still classified as such because the adult butterfly does have six legs and a three-segmented body.

#### THORAX

This middle section of the body bears the legs and, on flying insects, the wings. An insect breathes through tiny holes on the side of the thorax called thoracic spiracles. The legs are widely adapted to serve different functions in different species. They may be used for walking, hopping, swimming, grasping, digging, and in a variety of other ways. Most insects have one or two pairs of wings. The usually elongated posterior section houses the insect's digestive tract and several other specialized organs.

**SPIRACLES** used for breathing run down either side, and the anus and reproductive organs are at the very back of the abdomen. The abdomens of some insects, such as earwigs, terminate in a pair of defensive pinchers. Others, like bees, ants, and wasps, have venomous stingers. The abdomen is often soft and covered with telescoping exoskeletal segments that allow muscles to expand and contract. Although some insects are harmful to humans, their contribution to creating balance in the ecosystem, by the Creator, cannot be denied.



a) **THE MOSQUITO:** The people used to make fun of the Prophet ﷺ, asking him; Why does your Allah give examples of such lowly animals, such as elephants, camels, cows, and tiny creatures and insects like the mosquito, spiders, bees, etc., to prove HIS POWER and KNOWLEDGE?

Allah declares that the aim of giving them as examples is to inform us that HE has control over even such insignificant beings. Let us take the verse revealed by Allah in the Quran as early as the 7<sup>th</sup> century: "HE is not ashamed to give the example of even a mosquito, or even more *insignificant than that which is over it,*" to show the wonders of HIS Creation. <sup>2: 26</sup>

إِنَّ اللَّهَ لَا يَسْتَحْيِي أَنْ يَضْرِبَ مَثَلًا مَّا بَعُوضَةً فَمَا فَوْقَهَا

Scientists have only recently discovered that all these wonders, mentioned in the Quran as early as the 7<sup>th</sup> century, are true. <sup>13</sup>

For example:

a. Allah uses the term **بَعُوضَةً** in Arabic; **بَعُوضَةً** shows that it is *the female mosquito* that sucks the blood of human beings. This was written as early as the 7<sup>th</sup> century. However, only recently have scientists discovered that female mosquitoes suck blood, which provides nutrients for their eggs. For this purpose, the female mosquito has a strong mouth known as the 'Proboscis' to enable it to suck out the blood from the skin. The Proboscis of the male Mosquitoes is not strong enough to pierce the skin. That is why they do not suck the blood of animals, but suck only on the plant sap, especially fruit juices, for their food.

b. The second wonder in this verse is that the Mosquitoes have their own parasites: **فَمَا فَوْقَهَا** (*that is above it*) indicates the smaller parasites like the *Anopheles and Culicoides, etc., that perch (above) on top of the mosquitoes and suck their blood.*

Imagine a parasite sitting on the back of a mosquito, sucking its blood. This was discovered only recently in 1922 by the English entomologist Frederick Wallace Edwards, who used a very sophisticated microscope.

c. The third wonder, the unique feature is the anatomy of the Mosquito. Science has discovered that Mosquitoes have two eyes. These eyes are made up of hundreds of tiny lenses, each of which transmits the image of the object to the brain. This allows the mosquito to operate its eyes at 149 degrees, enabling it to detect light, movement, and other visual stimuli in its environment. Some of these lenses can detect changes in light, helping her differentiate between objects and locations and to find her prey with sight. Since her main objective is to reproduce and lay eggs, she needs the blood

<sup>13</sup> <https://www.youtube.com/watch?v=vViUdRkwcIE>

of another species. When it is dark, it detects its prey by smell, movement, shape, colour, and the carbon dioxide produced by breathing. Meg Younger, a neuroscientist at Boston University, discovered 'It is this difference between people that accounts for the attraction of mosquitoes to different people. This is caused by the resident bacteria present on the skin, which emit 'volatiles' that vary from person to person.' *The miracle of the mosquito does not end here.*

Many questions have been asked. Only recently have scientists been able to uncover the secrets behind this tiny, miraculous being.

**d. The process of sucking the blood of the female is so high-tech.** <sup>14</sup>

After the mosquito settles on your skin, it applies its saliva, which acts as a local anaesthesia. Then, it needs six needles to suck your blood. Each needle has a clear division of labour. The first two jagged needles act like a saw for cutting the skin. The latter two are mainly responsible for clearing obstacles. The coordination of these four needles will open the blood-sucking channel. It will not immediately suck blood. It will use the middle needle to inject a chemical into your blood to prevent clotting. The last needle is used for sucking blood. It can automatically find suitable blood vessels and then insert them without hesitation. While sucking blood, it will also bring the virus into your body. The entire blood-sucking process will last approximately 1.5 minutes. It will suck up two to five milligrams of blood, about twice its weight. By the time you begin to feel the pain, it has had its fill. Even if you shoot it dead at this moment, your skin will still be swollen and itchy, because the saliva it leaves on the skin can cause an allergic reaction. To eliminate foreign bacteria, your body will transport a large number of immune cells to the bitten area. That is why the bitten area is swollen.'

It is estimated that there are 5300 species of mosquitoes on Earth. Some of them are *Aedes Aegypti*, *Anopheles*, etc. By transmitting germs from one body to another, Mosquitoes cause numerous diseases such as yellow fever, Dengue, malaria, etc. Thus, they are responsible for 70,000 to one million deaths per year, worldwide, making it the deadliest animal for humans. Mosquitoes thrive in marshlands and other areas with stagnant water. To rid ourselves of this menace, we should take care to keep our houses and surroundings clean and dry without stagnant water.

However, most of us do not bother to keep our surroundings clean despite Allah's command:

"Allah loves the repentant, and *HE loves those who are clean.*" **إِنَّ اللَّهَ يُحِبُّ التَّوَّابِينَ وَيُحِبُّ الْمُتَطَهِّرِينَ**

<sup>14</sup> The ROCKEFELLER UNIVERSITY published this in the Science News and Highlights, dated. 12-10- 2020

**THE BEES:** Now, let us take a look at the bees. In Surah Nahl, Allah talks about the bees, whom HE



has inspired to be in proximity to man, so that he can rear *the beehives* and extract the honey from them. They travel miles in search of nectar,

And there are more than 300 different colours of honey.

“And your Lord inspired to the bee, 'Take for yourself among the mountains, houses, and among the trees and [in] that which they construct. Then, eat from all the fruits and follow the ways of your Lord laid down [for you].'” There emerges from their bellies a drink, varying in colours, having healing powers for people. Indeed, in that is a sign for a people who give thought.”<sup>16: 68, 69</sup>

وَأَوْحَىٰ رَبُّكَ إِلَى النَّحْلِ أَنِ اتَّخِذِي مِنَ الْجِبَالِ بُيُوتًا وَمِنَ الشَّجَرِ وَمِمَّا يَعْرِشُونَ - ثُمَّ كُلِي مِن كُلِّ الثَّمَرَاتِ فَاسْلُكِي سُبُلَ رَبِّكِ ذُلُلًا يَخْرُجُ مِنْ بُطُونِهَا شَرَابٌ مُّخْتَلِفٌ أَلْوَانُهُ فِيهِ شِفَاءٌ لِّلنَّاسِ ۗ إِنَّ فِي ذَٰلِكَ لَآيَةً لِّقَوْمٍ يَتَفَكَّرُونَ -

✓ The importance given in the Quran about the bees shows us that Allah declares that HE inspires (أَوْحَىٰ) the bees to travel long distances over mountains and valleys to collect nectar and *build hives in houses and trees*. This helps us to rear the bees for their honey. The amount of honey collected by man in one year is 1.83 million metric tons (18 crores kilograms).

✓ Allah mentions the word commanding the bees to collect the nectar in *the female gender*:

ثُمَّ كُلِي مِن كُلِّ الثَّمَرَاتِ فَاسْلُكِي --- (These alphabets in blue denote the female gender.)

✓ It was as recent as only 350 years ago that the scientist Jan Swammerdam discovered that it is the female bee that does all this work of extracting nectar and producing honey.

✓ Science has now discovered that the bee has two bellies, one for its food ingestion and the other for collecting the nectar that changes into honey and comes out of its belly.

✓ But do you know the long process and difficulty taken for a bee to produce this honey?

✓ The bees flap their wings 200 times in one second, 17 km/hour.

✓ To collect 6 teaspoons of honey, these bees travel many kilometres from their hives.

✓ To make 450 grams, a bee has to travel one and a half times the circumference of the Earth.

*What is so important about bees that makes Allah give so much importance in the Quran?*

✓ We know that the vegetation on Earth increases due to the pollination of flowers.

✓ Today, Science says that 90% of this pollination is due to bees. One-third of the food on which we survive is made possible by this pollination initiated by these bees.

✓ As for the medical field, the importance of honey is an age-old practice. Scientists have discovered that the active component of honeybee venom rapidly kills two types of breast cancer cells. While Chemotherapy destroys even healthy cells, honey attacks only the cancerous ones.<sup>15</sup>

<sup>15</sup> < www.medicalnewstoday.com > articles > honeybee-venom > dated 7-9-2020



**THE WASP:** <sup>16</sup>While the bee is a friend of mankind and the honey it extracts provides nourishment and good health for MAN, the Wasp, a similar insect, is just the opposite. Its sting is poisonous and causes harm to humans. And while Bees have a queen to lay eggs and male bees are workers, most wasp species are solitary with no Queen-worker caste system. Each female is fertile, constructs her own nest, and wasps reproduce within 6 hours.

THE PECULIAR WAY OF BREEDING AMONG THESE INSECTS IS THAT these wasps, male and female, start mating within 3 hours of coming out of their eggs, and lay their eggs only 3 hours after they are mature enough to mate. To lay eggs, female wasps need a place to lay their eggs, which, when hatched, require continuous means of nutrition. *For this, they first find a place near where people reside. They build their hives with clay.* After that, they fly to the field to choose a fat worm that feeds on the plants.

- The female wasp has a special needle-like organ in their hindquarters. After it chooses the worm, this female wasp stings it with this needle. The worm loses consciousness: a coma stage with a paralysis attack, and cannot move or defend itself. The female wasp carries this worm into the hive that it has built. After deciding how many eggs will suffice, it lays its eggs inside the hole formed by the sting inside the worm and seals the hive. The eggs that hatch within two or three days start feeding on the live but unconscious worm, completing their cycle, turning into cocoons after fifteen days. By the time they are full-grown, they have enough strength to break open the hive and fly out. *This is the cruel way in which the yellow wasp arranges food for its eggs! If they have evolved, one from the other, why do they become so cruel?*



**THE GOLDEN MOLES:** Allah says in the Quran, "It is HE who provides for all the living creatures their food." I wondered how that would be possible. However, when I scrolled down on Google, I was amazed to find that there are really tiny creatures. 'There is a creature in the desert called a Golden Mole. It is completely blind. It traverses the harsh desert, crawling under the sand so fast that it appears to be swimming. It sleeps during the day and wakes up at night to hunt for food. How does Allah provide for this creature? This is by guiding it to hear. As it crawls under the sand, it senses the tiniest vibrations and emerges to the surface to eat the insects. <sup>17</sup>

*"And there is no creature on earth but that upon Allah is its provision,  
and He knows its place of dwelling and place of storage. All is in a clear register." – Surah Hud, 11: 6*

*وَمَا مِنْ دَابَّةٍ فِي الْأَرْضِ إِلَّا عَلَى اللَّهِ رِزْقُهَا وَيَعْلَمُ مُسْتَقَرَّهَا وَمُسْتَوْدَعَهَا كُلٌّ فِي كِتَابٍ مُبِينٍ -*

<sup>16</sup> < <https://www.youtube.com/shorts/EakOWSpJarM> >

<sup>17</sup> < <https://www.youtube.com/shorts/tQ58h2iwj1A> >



**THE ANT.** A whole Surah in the Quran is named after the ants. Recent research portrays the sophisticated way of life of ants and the lessons we can learn from them. Although the ant, to outward appearance, is a small and humble creature, and may be unwittingly neglected, or even trampled upon by others in the great pomp of the world. Yet Allah has bestowed on this lowly ant the power to carry on with its life and form great colonies under the earth. They are hardworking and disciplined in their activities.

*Allah mentions the leader of the ants as a female <sup>(27:18)</sup>, a fact only recently discovered.*

*The queen, the largest, is the leader of the ants and has no other role but to lay eggs, while the workers do all the work of caring for and nurturing them!*

- 1) Social structure: They are social creatures and live in colonies. They have different social castes, including a Queen, males, labourers, etc. Each caste has important responsibilities, exhibiting an advanced level, resulting in a highly organized and cooperative society.
- 2) These labourers carry out different social duties to form a sophisticated division of labour, each group specializing in their specific tasks, like foraging, taking care of the brood, nest maintenance, defending the nest from predators, etc. This division of labour helps the colonies to carry out their job efficiently. A study in PLOS Genetics showed that Ants have genes that make 400 or more odorant receptors: special proteins that detect different odours.
- 3) Complex nest architecture. They construct intricate nests tailored to their specific needs. This varies among species and can include underground tunnels, chambers for brood rearing, food storage areas, and ventilation systems. Some build elaborate mounds or leaf nests above the ground.
- 4) They possess Strong mandibles varying in size, depending on their species. Their mouthparts are used for various tasks such as cutting leaves, capturing prey, defending the colony, and manipulating objects. These mandibles are essential for ants' survival and contribute to their impressive strength.
- 5) Extraordinary strength: relative to their size, enables ants to carry loads many times their weight, which is attributed to their muscle composition and biomechanics. This exceptional strength allows them to transport food, construct nests, and perform other physically demanding tasks.
- 6) Some ant species engage in sophisticated agricultural practices. Leaf cutters, for example, can cut and carry leaves into their nests, and use them to cultivate a fungus that serves as their primary food source. This farming behaviour is unique among insects and demonstrates their ability to engage in complex symbolic relationships. Recently, *scientists discovered that they break the grains into pieces to prevent them from sprouting when stored!*

7) Ants collectively make decisions and solve complex problems when foraging. They optimise their foraging by communicating information through chemical signals to mark danger, identify colony members, efficiently locate food sources, and take it back to the colony.

8) Special features in ants show that they are highly adaptable insects, found in almost every terrestrial habitat on the planet, except in Antarctica. They can survive in diverse environments, ranging from rainforests to barren lands, and exhibit a wide range of ecological strategies. This adaptability has enabled them to colonise various nations and successfully exploit available resources.

9) *The world of ants continues to reveal fascinating insights into the insect world and captivated researchers, who are left in wonder at the great unity and strength of these tiny Insects.*

### THE TERMITES/WOODWORMS:<sup>18</sup>

These Insects resemble ants and are often termed as white ants. They are feared because they cause great destruction to homes and other wooden structures. If allowed into human residences, they cause untold damage to foundations and wooden structures by voraciously devouring any wood they come across. To reach the food, some termites build tunnels, made with mud, while others live in the wooden structures. Subterranean termites are found on every continent except Antarctica, causing significant damage to properties.



great destruction to homes and other wooden structures. If allowed into human residences, they cause untold damage to foundations and wooden structures by voraciously devouring any wood they come across. To reach the food, some termites

*Allah mentions these tiny creatures in Surah Saba <sup>34:14</sup> ...they ate the staff of Sulaiman (al) to make known to the people his death, and that the Jinns are incapable of the hidden matters, as they claim.*

*“And when We decreed for Solomon death, nothing indicated to the jinn his death except a creature of the earth eating his staff.” -* فَلَمَّا قَضَيْنَا عَلَيْهِ الْمَوْتَ مَا دَلَّهُمْ عَلَى مَوْتِهِ إِلَّا دَابَّةٌ الْأَرْضِ تَأْكُلُ مِنْسَأَتَهُ

*Like ants, they live in underground colonies containing more than 6000 to one million insects; their sole food is wood, from which they extract cellulose for their subsistence. Despite being notorious, they play an important role in conserving the environment. When they break down dead wood and other organic matter, they help recycle nutrients into the soil.*

*There are about 4000 species of termites worldwide, and the Drywood termites are major pests in many parts of the world. Each has its unique characteristics, and they are highly social insects that live together, sharing their work with clocklike precision. The queen termite can reach 4 inches long, and the workers keep their nests clean and healthy by eating dead termites and other residues of their environment. By regularly inspecting our buildings, we can protect ourselves from this pest. Today, most wood is treated with chemicals that protect it from termites.*

<sup>18</sup> <https://youtu.be/6JLeWRrGkJc?si=nNeSsjmM-o9aa1eu> >

**THE SPIDER:** Do you know that 40,000 species of spiders have discovered so far?



**Let us ponder the important features of a spider.**<sup>19</sup>

- Spiders are a captivating group of arachnids. They are often mistaken for insects but have unique features. As skilled insect hunters, they play a key role in the ecosystem. Their presence enables control of pests. ‘Bark spiders are some of nature's best engineers. They spin webs that stretch across entire rivers in Madagascar; their silk is stronger than steel! Recent studies show that it is the females who craft them.
  - A spider has eight legs, four on each side, and they move about using all these legs.
  - Spiders have two body parts: the cephalothorax and abdomen, connected by a pedicle, which helps them to move their abdomens in different directions. While they can eat only liquid foods, they do not suck the juices from their prey. Instead, they have two digestive systems. A spider’s digestive system is extensive, with some parts extending as far as its legs! When spiders eat solids, they use their external digestive system to digest the prey while it is still outside the body.
  - Nearly all spiders have venom glands that are connected to their chelicerae. Spiders can use these mouthparts to inject venom into their prey. Spider venom is a mixture of proteins and enzymes that can paralyse or digest the prey. Species like the black widow and the Brown recluse can cause serious reactions, though fatalities are rare. Interestingly, spider venom is being studied for medical uses, pain relief, and eco-friendly Pesticides. This fascinating venom could lead to breakthroughs in both science and technology!
  - Most of them have eight eyes, yet poor vision. Unlike insects, spiders do not have antennae. However, they do have a similar feature: pedipalps. These appendages look like small legs but are actually part of the spider’s mouth!
  - Spiders use silk for catching prey, constructing webs, protecting eggs, and performing numerous such activities. Not all spiders spin webs, but all can produce silk to catch their prey. They make this silk using a machine called a spinneret.
  - *Spider silk is nature’s wonder material, combining strength and flexibility in ways that seem almost magical. Despite its delicate look, it is stronger than steel by weight and can stretch without snapping, making it perfect for catching prey without causing harm.*
- This incredible silk is made of proteins. Beyond its mechanical wonders, spider silk is biodegradable and biocompatible, paving the way for innovative medical uses as sutures and drug delivery.*
- Despite all these wonderful features, Allah mentions in the Quran: “The example of those who take allies other than Allah is like that of the spider who constructs a home. And indeed, the weakest of homes is the home of the spider, if they only knew.” – (Surah Ankabut, 29: 41)*

<sup>19</sup> <https://animalko.com/spider-facts-that-will-leave-you-amazed/>

مَثَلُ الَّذِينَ اتَّخَذُوا مِنْ دُونِ اللَّهِ أَوْلِيَاءَ كَمَثَلِ الْعَنْكَبُوتِ اتَّخَذَتْ بِئْتًا وَإِنَّ أَوْهَنَ الْبُيُوتِ لَبَيْتُ الْعَنْكَبُوتِ لَوْ كَانُوا يَعْلَمُونَ

*When the spider's web is strongest, why does Allah say that the weakest of homes is the spider's home?*

When we investigate, we find that it is the home life, the sexual behaviour, that indicates its weakness. Spiders use visual displays, dance, and vibrations to attract their mates and ensure successful reproduction. However, after mating, some species kill and eat their partners. The male spider often catapults itself to escape from its mate. In a grisly practice known as *sexual cannibalism*, females of many spider species devour their mates after procreation, either for sustenance or to keep their reproductive options open. Female spiders are usually much larger than their male counterparts, thus have a strong physical advantage. "There are all kinds of great stories of strategies male spiders have come up with to escape being eaten by their mates," Eileen Hebets, a University of Nebraska-Lincoln professor, told NBC News.<sup>20</sup>

Different species exhibit different characteristics. For male widow spiders, mating is an infamously dangerous activity. In these species, including the black widow and redback, the large females will often devour the smaller males during sex, hence the "widow" in their names. In some cases, the female catches the male when he tries to escape.

A new study shows that, in some species, the young spiderlings eat their mother alive!<sup>21</sup>

However, the species *Stegodyphus Dumicola*, native to South Africa, lives in large family groups that share both communal nests and childcare duties. But this is not a common trend.

**FOR SURE, THE HOME OF A SPIDER IS CERTAINLY THE WEAKEST OF ALL LIVING BEINGS,**

**COCKROACHES:**<sup>22</sup> - There are about 3600 species and subspecies of cockroaches worldwide.



After initial courting, they lay about 16- 50 eggs in a protective case called *an ootheca*. The mother carries the ootheca on her back till they hatch. The hatched nymphs are usually fully formed and self-sufficient. They are scavengers and consume almost any

food source found in the drains and kitchens of apartments. - These pests are found in almost all households, wherever food is left unattended and thrive in unclean environments that provide warmth, moisture, and food sources. If left unattended, they are uncontrollable and lead to several diseases. Therefore, a clean environment is very essential.

Our Prophet has insisted that we keep our surroundings clean, and "Allah loves those who are repentant *and clean*." Surah Baqarah, 2: 222\_ - إِنَّ اللَّهَ يُحِبُّ --- إِنَّ اللَّهَ يُحِبُّ التَّوَّابِينَ وَيُحِبُّ الْمُتَطَهِّرِينَ

<sup>20</sup> peer-reviewed studies were published in Current Biology.

<sup>21</sup> (View complete answer on britannica.com)

<sup>22</sup> < <https://www.explorationjunkie.com/cockroach/> >

**THE HOUSE FLY:**<sup>23</sup> WHAT HAS SUCH A FEEBLE INSECT LIKE THE FLY TO DO WITH ETERNAL GUIDANCE?

*Nobody will deny that the Housefly is one of the most annoying and dangerous creatures on Earth. This is because it inhabits the dirty areas near human habitats and reproduces in the very dung and dirt, making it the most repulsive among insects. The lifespan of these insects can last from 15 to 30 days, with*

*some living as long as 60 days. Houseflies poop, on average, every couple of minutes, even on our food. Through this, they spread bacteria and infectious organisms, causing major diseases.*

**THEIR REPRODUCTIVE SYSTEM IS SUPER EFFICIENT:** The female Fly mates only once during their lifetime. Yet they reproduce rapidly because she lays 75-100 eggs in several rounds on the manure of animals, the excrement of humans, or in decaying matter, a total of 300 to 2000 eggs. The male fly chooses 7-day-olds at the prime of their life and can mate with any number of females. *The larvae (which become maggots) hatch out within 12 to 24 hours. In normal subtropical temperatures, they transform into adult flies within 4 to 13 days, but may take twice as long in cooler climates.*

**MAGGOT INFESTATION:**

*- A most peculiar phenomenon has been discovered. If the Housefly can land on an ant for just 3 seconds, it injects a single egg into its body, which hatches into a maggot on the same day and travels to the head, where it feeds on the brain, the muscles, and the neck, till the whole head is cut off. The maggot uses this empty head as a protective shell until it emerges as a full-grown fly.*<sup>24</sup>

*- There are cases when the flies lay their eggs on open wounds or within the skin of humans who lack hygiene, and when they turn to maggots, they will feed on flesh and blood before bursting through as they mature into adult flies. This is why we must be careful to keep our surroundings clean, as Allah has ordered. "Allah loves those who are clean and the repentant." -Al-Quran, 2:222, and our Prophet ﷺ has said, 'the whole world is a Mussallah (place to pray), where we can pray except the graveyard and toilets.'*

**WILL ANYONE LIKE TO DIRTY THEIR MUSSALLAH?**

**TASTE:** The Houseflies have hairy legs, having amazing powers of taste! Flies use their legs that are 10 million times more sensitive to sugar than a human tongue. They taste everything they land on.

**THE EYES:** Flies have amazing compound eyes. A pair of large, complex eyes forms a major part of the Housefly's head. These are composed of three to six thousand simple eyes each, enabling them to see what goes on all around them, without turning their head! Thus, their eyes are programmed to detect even the slightest movement around them and can escape any harm that comes their way. In addition to the complex eyes, flies have three ocelli, which are simple eyes located in the middle of their

<sup>23</sup> Written by Steve Foster; < <https://schoolofbugs.com/30-facts-about-house-flies-you-wont-believe/> >

<sup>24</sup> <https://www.youtube.com/shorts/szLrODIYtIQ>

foreheads. These are meant to help them navigate – like a compass – guiding them towards sunlit areas.

**NAVIGATION:** Houseflies can flap their primary wings 200 to 300 times a second and reach speeds up to 5 miles (8 kilometres) per hour. They fly with power and precision, raising themselves like a helicopter. Houseflies can travel a distance of up to 300 times their length in one second, while a jetliner travelling at the speed of sound can only travel 100 times its own length in a second. That is why it is difficult to swat a fly! Houseflies can process what they see and react extraordinarily fast – their brains process around 250 images a second. By contrast, humans can process only 60 images a second. They have an excellent sense of smell that usually enables them to detect food sources. Research has revealed that under favourable conditions, flies can detect rotting flesh even 7 km away through their sense of smell, a far superior ability to Humans. The bottom of the fly's tarsi has tiny, gripping claws and moist suction pads (called pulvilli) that produce a glue-like substance made of sugars and oils, allowing them to stick or scale practically any surface, horizontal or vertical, and walk upside down.

Allah declares: "O people, an example is presented, so listen to it. Indeed, those you invoke besides Allah will never create [as much as] a fly, even if they gathered together for that purpose. And if the fly should steal away from them a [tiny] thing, they could not recover it from him. Weak are the pursuer and pursued." \_Al-Quran, Surah Hajj, 22: 7

JUST PONDER- IS IT POSSIBLE TO CREATE SUCH A SOPHISTICATED CREATURE LIKE THE DESPICABLE HOUSEFLY, AND ALTHOUGH THEY SEEM WEAK AND LACK THE STRENGTH TO FIGHT US, IS IT POSSIBLE FOR US TO RETRIEVE FROM THEM WHAT THEY HAVE TAKEN FROM US?



**BOGONG MOTH:** is an icon of Australian wildlife, due to its historical role as an easily available food source that has a nutty flavour, most similar to walnuts or almonds. This small insect, a tiny brown Bogong moth, with no parents to teach them, navigates 600 miles (1000 km) using stars every year at night across Australia. It is a temperate species of night-flying moth, notable for its biannual long-distance seasonal migration to the Australian Alps, where they take rest in the cool caves, and return to Australia to mate and die. They are similar to the diurnal monarch Butterfly. This tiny insect has a wingspan of about 5 centimetres.

They can see dim stars 15 times brighter than humans, helping them to use the Milky Way as a guide. Other animals, such as monarch butterflies and dung beetles, also use light for navigation, but not for such long, exact journeys. Massive swarms of bogong moths in billions look like a cloud when they traverse the long distance of their journey. They use the stars to guide them while sensing the Earth's magnetic field, which gives a backup for them if the sky is cloudy. Those interested, please refer to < <https://www.australiangeographic.com.au/fact-file/bogong-moth/> >

WHO TAUGHT THEM THIS AMAZING FEAT, BUT ITS CREATOR



**SCORPIONS:** <sup>25</sup> quite different in structure, and their strength of resilience makes scientists wonder at their ability to adapt to their surroundings with ease.

There are 2,500 species, each with distinctive characteristics depending on their habitats. - Scorpions have venomous stingers primarily used for defence and capturing prey. The venom composition varies among species. While most are not fatal to humans, some scorpions possess potent venom that can cause severe symptoms or even human fatalities.

- Their unique sets of eyes that can detect light and dark enable them to navigate in the dark or low-light conditions; they are primarily nocturnal (active in the night). This helps them conserve energy; depending on their species, they can live for many years more compared to other arthropods. Each species adapts to its surroundings, whether it be arid conditions, freezing cold, or scorching heat.

- Their ability to navigate by using the moon and stars helps them move about during the night.

They are seen to engage in elaborate courtship and mating rituals, with the male performing intricate dance performances to attract females. Their mating embraces also last for many hours or even days.

Some Scorpions lay eggs while others give birth to young ones, which they carry on their backs till they moult and mature. They undergo moulting and shed their old exoskeleton, allowing a new one to grow, which provides protection and support throughout their life.

- Scorpions help control the overpopulation of potential pests and maintain the balance in the ecosystem by devouring insects, spiders, small vertebrates, and even other scorpions.

- Their sensory hairs that can detect vibrations and movements around them, and their strong pincers and venomous stingers help in defence, and also to attack and immobilise their prey.

However, they do not attack except when threatened. Before attacking, they arch their tail or may deliver a 'dry sting' without venom as a warning. And they do not hunt except when hungry.

All these unique characteristics of the scorpion are subject to study, and to produce antivenoms that save lives. However, pollution and human intervention cause their species to diminish and disturb the ecosystem that Allah has created for the benefit of man.

*Prophet Mohammad has taught us a dua to seek protection with HIM from all diseases and other bad things.*

*- اَعُوذُ بِكَلِمَاتِ اللّٰهِ التَّامَّاتِ كُلِّهَا مِنْ شَرِّ مَا خَلَقَ*

*AUDHU BIKALIMAATILLAAHI TAAMMAATI KULLIHA MIN SHARRI MAA KHALAQA.*

*"I seek refuge in the perfect words of Allah from all the evil of what is created."*

<sup>25</sup> <https://thescorpionhobby.com/facts-about-scorpions/>

## BIRDS:

Birds are a diverse group of warm-blooded vertebrates characterised by unique features, with varying colours, including feathers, no teeth, a beak, hard-shelled eggs, and wings. There are more than 11,000 species inhabiting every corner of our planet, from the tropical rainforest to the polar ice. Some birds have very long legs that help them wade in the water and catch their prey, while others are tiny ones.

*While some among the male species of some birds build nests to attract their mate during the mating season, in most cases, both males and females coordinate with each other to construct the nests. The female has to settle on the eggs to incubate them. At this juncture, the sight of the male bird bringing food for its mate and for the hatched chicks is amazing to watch. It leaves us in awe at the love that binds them together and the greatness of the Creator of these different species in pairs.*

وَالَّذِي خَلَقَ الْأَزْوَاجَ كُلَّهَا - "And who created the species in pairs, all of them..." -Surah Zukruf, 43:12

Some are migratory in nature, returning to the same spot to mate and lay eggs, while others make their homes in forests. Some live in the human environment and build their nests, while others make their nests in the hollows of trees or gaps in buildings. Some birds build fresh nests for every season, while others, like eagles, renovate their old ones. Nests are made of a variety of materials, in different shapes, and found in varying locations, often "glued" together with cotton and other natural materials, spider webs, mud, or saliva. Most are constructed to provide shelter, cushioning, and camouflage, protecting the eggs and chicks.

- Flamingoes build their nests with mud, on the ground, resembling a temple-like structure,
- The spoonbills have a spoon-shaped bill. They make nests on top of trees using twigs and branches.
- The sparrows make their nest with mud that sticks to the walls or tree bark.
- The tailorbird found in South Asia stitches its nest by stitching leaves together with a spider web, in the shape of a bag, *leaving a tiny hole for entrance on top.*
- The African weaverbird builds fresh pouch-like nests every season by intertwining grass and twigs hanging from trees. *It emerges through a pathway-like opening below it.*
- The kingfisher builds its nest inside a tunnel in the ground near a riverbank to easily catch fish.<sup>26</sup>
- The Eagles construct the largest ever found, built on barks of trees, and use the same nest after renovating it for a fresh start every season.
- *The most amazing nests are of **the Hornbill**, found in the hollows of trees, where the mother seals the mouth of the hollow with mud, leaving a tiny hole for air and the food that the male brings*

<sup>26</sup> <https://www.youtube.com/shorts/ngDXQv4ujml>

regularly for it to eat. They remain imprisoned in the hole until the eggs are hatched and the chicks can fly out.

- We find birds build their nests in unthinkable areas. The edible nest of the swiftlet, which does not use twigs but builds with its own saliva. They select for their nests, walls of dark, moist caves, and then slowly use saliva to stick to the ceilings. Due to the cold air circulating in the cave, this solidifies into strong nests. The peculiarity of this nest is that it is relished and eaten by the Chinese. <sup>27</sup>

- The Social Beaver birds build their nests not individually but in great colonies, in one tree, where 100s of birds live together, each pair having an apartment of their own. This keeps their nests safe from extreme climates and warm inside as if a great engineer had planned them.

- The hummingbird builds its tiny nest that can fit into a spoon, in the forks of the tree with a spider's web and strands of twigs.

**SOME BIRDS HAVE VERY LONG LEGS:** They are not just for show, but crucial for survival. <sup>28</sup>

- The Jaykaana, or the Jesus bird, can walk on lotus leaves, as though walking on water.

- The ostriches, the largest birds on earth, and the fastest runners with a speed of sixty miles per hour, have very long legs that also help them defend themselves against predators.

- The great Egret has a slender neck and very long legs that help them catch fish in the muddy waters.

- The great Blue Heron uses its long legs to stealthily navigate waterways to quickly pierce the fish or frogs with their sharp beak. It also uses its long legs to attract its mate with its mating dance.

- The Sandhill Crane has legs that reach up to 3.3 feet, which helps to camouflage itself among the tall reeds in the marshes and stealthily approach their prey.

- The Secretary bird uses its long legs to fight predators and can kill its foe, even a wild dog, with a single kick.

**Another unique characteristic among birds is that they never get wet.** Some of them are <sup>29</sup>

- The ducks have a special oil coating on their feathers that makes them water repellent.

- The kingfisher, when it dives to catch fish, dries up as soon as it emerges from the water, because of the feathers having a super-die coating

- The albatross, a migratory bird, flies over the ocean for weeks on end. Yet it never gets wet, because its feathers have an anti-water layer that keeps water from entering its body even in heavy rains.

- The penguin has a very dense and water-repellent coat. This keeps them warm and dry, however cold the temperature. However, it is not advisable to cuddle a penguin, as this coating is rubbed off, resulting in harm to the bird.

<sup>27</sup> <https://www.youtube.com/shorts/TCUx9aKDum8>

<sup>28</sup> /7-unique-yet-beautiful-animals-and-birds-with-unusually-longlegs/photostory/125147811.cms?picid=125147821-

<sup>29</sup> <https://www.youtube.com/shorts/ixmtcGTgqYI>

- The falcons: It has been recorded that these migratory birds can travel 5,000 miles in five days from India to Zimbabwe to lay eggs during the winter season. What is the necessity to travel such long distances? WHY do they have to travel such distances, if it was not commanded to do so by GOD? Do you not realise that it is the Supreme Creator who creates them that way?

PLEASE PONDER. DO YOU THINK THAT THEY HAVE EVOLVED THEMSELVES TO ADAPT TO THEIR SURROUNDINGS?

### HERE ARE SOME OF THE BIRDS AND THEIR UNIQUE CHARACTERISTICS:



**FLAMINGOS** are one of the five birds with very long, thin legs. They can stand on one foot for hours together to conserve heat. Recently, a discovery was made about these wonderful birds. In his book The Perfect Planet, Huw Cordey explains the mindboggling discovery humans have made about the various species of wildlife that live in harmony with us in this world. Of them, he gives the details about the miraculous migration flight of the flamingos towards their destination.

These migratory birds gather in Tanzania near a lake called 'the Natron Lake,' by a volcano. This lake is famously known for its special power to solidify any living creature that falls into it, and is also known as 'The Stone Lake.' This happens because Nitrocarbon and other chemicals fall into it from the volcanic eruptions. If it falls into it, any bird or animal will become solid like a mummy or a statue.

- At least 20,00,000 Flamingoes gather and settle at the banks of this lake, without causing any accidents or hurting each other. These birds' skin has a special capacity to overcome being solidified by the lake. They settle down at their banks at a certain time of the year to mate, build their nests, and lay eggs. Nothing happens to them.

'It is the greatest ornithological spectacle on earth, which nature has given us to see for free. After the eggs hatch and tiny flamingoes are born, these mothers go to another freshwater lake nearby to quench their thirst and to rest. When the chicks reach to a certain level of growth, they all fly together towards where their parents are to join them. The great miracle is that when they reach the mothers, every mother recognises her children through their unique features and greets them with love, and all of them remain together for a while longer before they all fly back to where they came from.'

- It only reminds us of what Allah says in the Quran about parents recognising their children:

*"Those who are given the book recognise him, like they recognise their own children.*

But indeed, a party of them conceal the truth while they know [it]." Surah Baqarah: 2: 146

الَّذِينَ آتَيْنَاهُمُ الْكِتَابَ يَعْرِفُونَهُ كَمَا يَعْرِفُونَ أَبْنَاءَهُمْ وَإِنَّ فَرِيقًا مِّنْهُمْ لَيَكْتُمُونَ الْحَقَّ وَهُمْ يَعْلَمُونَ

And as Moses says to Pharaoh:

"My Lord is HE WHO gave to each thing, its form and nature, then guided it aright."-Surah Taha 20: 50

قَالَ رَبُّنَا الَّذِي أَعْطَى كُلَّ شَيْءٍ خَلْقَهُ ثُمَّ هَدَى



**BALD EAGLES:** Allah says, “Do they not see the birds above them with wings outspread and [sometimes] folded in? None holds them [aloft] except the Most Merciful. Indeed, HE is, of all things, SEEING.” Surah Mulk, 67: 19

أَوَلَمْ يَرَوْا إِلَى الطَّيْرِ فَوْقَهُمْ صَاقَاتٍ وَيَقْبِضْنَ ۚ مَا يُمَسِّكُهُنَّ إِلَّا الرَّحْمَنُ ۚ إِنَّهُ بِكُلِّ شَيْءٍ بَصِيرٌ

‘Eagles, Hawks, Falcons, **Vultures**, and owls, so-called birds of prey, are spectacular creatures whether seen soaring in the sky or perched high in a wilderness spruce. While the Vultures are scavengers and feed on the dead, including dead humans, the Hawks are of a different species. There are some birds nearly as large as eagles, while others are as small as Robins. The tiny bird, Merlin, may nest on even a single power pole. Some birds weave little cups, and others bring small twigs and make their nests on the barks of trees. Some even gather a few twigs in a hollow of the ground and lay their eggs there.

‘Arguably, the most magnificent of these is the bald eagle, which is a bird of prey characterized by its distinctive white head and tail feathers that develop after approximately 5 years of age. It is the national symbol of the United States. The eagles are called the king of birds because of their great strength, amazing flying ability, and majestic physical characteristics. Their wingspan reaches 8 feet.

Their vision is greater than that of human beings, and they can see their prey several miles away. Taking advantage of the gravity, they can swoop at a high speed of 300mph, capture their prey precisely, and tear them down with ease with their powerful talons and curved beak. They are powerful predators and eat fish, reptiles, birds, and mammals. This keeps the balance in the ecosystem. These powerful birds live and build their nests on the barks of huge trees and expand the rim over the years. *It is a wonder to watch them reuse the same nest for many years, sometimes decades.*

Each breeding season, they add fresh material to increase their height, strength, and hygiene, and to provide protection and stability against other predators, wind and rain, and thermal insulation for their chicks. They fiercely guard their nests and attack anyone who approaches them. Recently, a Bald Eagle’s nest, the largest ever, was discovered in Florida near St. Petersburg; a layered structure, roughly 2.9 meters in circumference and 6 meters deep, weighing over two tons! Over two tons of sticks, bone, turf and bark, balanced in a single tree: the largest, heaviest bird nest ever recorded. The patience and teamwork with which this structure has been built is mind-boggling. Imagine the birds carefully delivering, over many seasons, tons of sticks and sod, branches, turf, seaweeds, and cornstalks to prepare their nests. Eventually, after many seasons, the weight was too much for the tree to bear, and it collapsed onto the ground, enabling the biologists to inspect its structure and contents. <sup>30</sup>

<sup>30</sup> < <https://share.google/hcC6apEphVwFL2w4S> > / < [www.nationalgeographic.com](http://www.nationalgeographic.com) › facts › bald-eagle >



**RAVEN (Crow):** Within the story of Qabeel and Habel, we learn that Allah sent a crow who began digging up the ground to show Habel, through the bird, how one may conceal the dead. This helped him to bury the body of his deceased brother, whom he had killed and regretted it. [5:31].

فَبَعَثَ اللَّهُ غُرَابًا يَبْحَثُ فِي الْأَرْضِ لِيُرِيَهُ كَيْفَ يُورِي سَوْءَةَ أَخِيهِ ۗ قَالَ يَا وَيْلَتَىٰ أَعَجِبْتُ أَنْ أَكُونَ مِثْلَ هَذَا الْغُرَابِ  
فَأُورِي سَوْءَةَ أَخِي ۗ فَأَصْبَحَ مِنَ النَّادِمِينَ -

Science declares that the crows, ravens, and magpies are the most intelligent of animals in the world. This was unknown until 2015, when crow researcher Kaeli Swift crowdfunded research on crows. Many other researchers have recorded their results. <sup>31</sup>

1. The difference between the raven and the crow is that the raven is about 3 times larger than the crow. The heaviness of their bills is also another method to distinguish them. The Raven has a heavier and hairier nose than the crow. The call of the crow is of a higher pitch, while the Raven has a lower pitch with a 'R' sound with it. Crows usually stay where humans are, and Ravens in wooded areas. Generally, their behavior resembles that of Humans in many ways. In general, crows are as smart as a 7-year-old human.
  2. Crows remember faces and persecute those who had done them or their fellows harm earlier. They also remember those who are kind to them and even offer gifts to them,
  3. When a crow dies, the whole community gather around them and expresses their condolences, just like humans and tries to know what has happened. This helps them evade any similar danger. Through her research, she found that the birds that were constantly targeted on their migration route evaded the pellets and skillfully escaped as they continued on their journey.
  4. They stash food for later use and are wary of it being stolen by other fellows.
  5. 'They were observed snapping twigs from trees, then stripping them of bark and leaves, and fashioning the node into a hook. They then used these tools to probe into small spaces for food.'
  6. They punish selfish or unruly peers by ostracizing them. If a crow misbehaves, the other crows are seen to drive them away and not let them within their group.
  7. 'Crows are not driven purely by instinct - they can experience anticipation, and exercise self-control if the result is a greater reward, and are also playful.
  8. They can wait for quality food if they are not very hungry.
  9. They communicate through gestures and interact with the opposite sex when needed.
- All these special features make man realize the need to reform himself to attain Allah's pleasure.

<sup>31</sup> <https://www.sciencealert.com/crows-ravens-corvids-best-birds-animal-intelligence>



**THE CUCKOO BIRD:** has a peculiar habit of laying its eggs in the nests of other birds. In India, they use the crows as their host, because the eggs of the crows closely resemble theirs. These cunning birds observe the time when crows lay their eggs, and usually remove one or two eggs, so that their eggs will not be noticed. The crows notice the difference most of the time, only after the eggs hatch and can fly. Thus, the cuckoo saves itself from the labor of building nests and feeding the chicks and concentrates on laying as many eggs as possible in different nests. Some eggs are detected or fail to hatch, but most often, in fear of making a mistake by destroying their own eggs, they are adopted and looked after by the crow.



**THE COMMON SWIFT:** *Another wonder of nature, where we find this particular bird that practically lives in the air, nearly never landing on the ground. They live, mate, feed on the insects that fly around, skim over rivers in flight, and can remain in the air for as long as 10 months without touching the ground. They can shut off a part of their brain while diving from high altitude and sleep during the process. Their only weakness is that they cannot walk steadily on the ground. Once they land, they find it difficult to fly again.* <sup>32</sup>



**ABABEEL:** are a group of tiny birds that Allah sent to destroy the army of elephants that came to attack the Kaaba in Mecca. Why did Allah choose such tiny birds that can be held in the palm?

This bird has unique characteristics that no other birds have.

1. It is the only bird that can travel 1400 miles, at a stretch.
2. It can fly without landing on the Earth for 10 months at a stretch.
3. It can sleep in the sky itself, as it flies. It flutters for a few minutes in the air and flies away
4. It has a life span of 20 years.
5. It is unique in that it can have its food and drink in the air itself.

All praise to Allah who gave this capacity to even such a tiny bird, and made it famous by its mention in the Quran, "Have You Not Considered, [O Muhammad], How Your Lord Dealt with The Companions of the Elephant? Did He Not Make Their Plan Misguided? *And He Sent Against Them Birds (Ababeel), In Flocks, Striking Them with Stones of Hard Clay...*" (Surah Ababeel- 103)

أَلَمْ تَرَ كَيْفَ فَعَلَ رَبُّكَ بِأَصْحَابِ الْفِيلِ - أَلَمْ يَجْعَلْ كَيْدَهُمْ فِي تَضْلِيلٍ - وَرَأْسَلْ عَلَيْهِمْ طَيْرًا أَبَابِيلَ - تَرْمِيهِمْ بِحِجَارَةٍ مِّن سِجِّيلٍ - فَجَعَلَهُمْ كَعَصِفٍ مَّاكُولٍ -

<sup>32</sup> < <https://www.youtube.com/shorts/1Gxg5Ujo59s> > Halal Heroes



**PENGUINS:** <sup>33</sup> On the other hand, the penguins present a very different picture.

‘Penguins are flightless, aquatic birds found in the *Antarctic region* that have two legs, and have lungs, air sacs and a four-chambered heart, like the other birds, but are capable of staying under water for 15 to 20 or even 30 minutes.’ They are cool and comical to the eyes, with their awkward, seemingly swaying movement on the land covered with ice. However, they can flop on their belly and toboggan (slide) down the ice at top speed, which helps them conserve their energy and travel long distances in a very short time.

- Their black and white feathers act as a protective camouflage in the dark waters and in the layer of white ice. Their broad, stiff, short feathers, with a thick layer of blubber (body fat like that of Whales), prevent the icy waters from touching their skin, while they dive into the ice-cold waters for food.

- They try to stay warm in the freezing temperature of -50 degrees F., by several of their group cuddling together, with their young ones in the middle. To keep themselves healthy and prevent bacteria, they have special oil glands that they keep preening all over their feathers.

Baby penguins, or chicks, from hatching rely entirely on their parents for sustenance until their down feathers moult into waterproof feathers and are capable of hunting. This takes 3-5 months. Until then, they totally depend on the food their parents regurgitate after they return from hunting. When the parents return to shore, each chick recognises the unique call of their mother. Thus, they identify their own chicks from the crowd of penguins that can gather up to a population of 400,000, as in Penguin City in Georgia. In Emperor Penguins, the female lays one egg, which the father balances on his feet, under a feathered flap of skin called a brood pouch.

- The grown penguins are obliged to stay in water 75% of their time to catch the fish/crustaceans, their sole provision for survival, which, having no teeth, they swallow in one gulp. They can stay hydrated by ingesting the fluids of the creatures they swallow. If food is scarce, their Unique tiny salt glands connected to their bills enable them to filter out the salt from the ocean water they drink.

- Another unique feature is that although they go in groups to the seashore to catch fish, instead of diving all together, one of them volunteers to sacrifice itself and dives first, and if all is safe, the others follow. Their ability to swim swiftly and group helps them evade predators.

*WHO GAVE THEM THIS INSTINCTIVE FEELING AND UNITY? IF THEY HAVE EVOLVED TO ADAPT TO SUCH ACUTE CLIMATIC CONDITIONS, WHY DO THEY NOT MOVE TO A WARMER CLIMATE?*

<sup>33</sup> < <https://wildlifeinformer.com/characteristics-of-penguins/> >



**HENS:** Poultry is a lucrative business that satisfies the human palate. Rearing them provides eggs from the hens and meat from the chickens, which are supposed to be very nutritious and healthy. When domesticated, usually, one cock is sufficient for mating numerous hens, whom they tend to control and guide for food.

'When a hen ovulates, the yolk of an egg is produced. This yolk then travels into the hen's oviduct, where it may be fertilised by sperm from a rooster. As the egg travels farther through the oviduct, it is covered by a membrane and a substance called albumin (egg white). As the egg reaches the bottom of the oviduct, a shell is deposited around it, and the egg is laid. It takes about one day for the egg to complete this process. A fertile egg with proper incubation takes about 21 days to develop into a chick.

*A hen can lay an egg even if she has not mated with a rooster; therefore, not all eggs are fertile.*<sup>34</sup>

*Eggshells have as many as 17,000 pores on their surfaces to provide air to the developing chicks.*

*Is it not a wonder that while the animals in the jungle are in limited numbers, there are more chickens than humans in the world? WHO arranged all this for the benefit of Humans?*



**DUCKS:** Another domestic bird used commercially for eggs and meat is the duck.

Ducks are characterised by their stout, broad bodies with relatively short necks and wings. Their distinctive waddling gait on land is as recognisable as their

buoyant, graceful movement in water. Ducks are one of the most widespread avian groups, found in a variety of habitats, from Arctic tundra to tropical wetlands, except Antarctica. Many species form monogamous pairs during the breeding season, though this bond may last only for that season.

Outside of breeding, ducks often gather in large flocks, which can provide safety in numbers from predators. When they perceive danger, to maintain contact with other flock members, and during courtship, they use their distinct quacks to keep in touch. Females typically build nests on the ground near water, using vegetation and down feathers for insulation. Nest site selection is crucial for protection from predators. Ducklings are relatively mature and mobile shortly after hatching. They are led to water by the mother within a day of hatching and begin feeding themselves almost immediately, although they remain under the mother's care for several weeks. When domesticated, they provide eggs, meat, and feathers.

*The wonders of Allah's creations have no endings. We find birds build their nests in unthinkable areas. The edible nest of the swiftlet, which does not use twigs but builds with its own saliva. They select walls of dark, moist caves, and then slowly use saliva to stick to the ceilings. Due to the cold air circulating in the cave, this solidifies into strong nests. The peculiarity of this nest is they are relished and eaten by the Chinese!*

<sup>34</sup> <https://cosleyzoo.org/chickens/>

## ANIMALS

As for the animals, each has a unique method of survival. There is no proof that they have evolved. When we observe each species, it only leads us to wonder at the vast power of their Creator. All HIS creations cannot be explained in this small book. Therefore, I have mentioned only a few of them so that we may realise the magnificence of Allah's Creation.

The Quran mentions seven birds and animals. The Raven and the Ababeel have already been mentioned. Next come animals. Only a few are cruel in their behavior compared to Humans.

We find that most animals live in communities, with a male species having many females, and some are monogamous, living with the same mate all their lives. Whatever the case, they are bound to their family with love.

No animal kills unjustly nor hunts, except for food.

Then, you may wonder why most animals fight for their territory.

*WHAT IS THIS TERRITORY THEY FIGHT FOR?*

Let us take an example of a human being. Will any righteous person allow any other to intrude into the privacy of his house or have relations with his wife? In fact, the Hadith of our Prophet says that if any man dies protecting his family or territory, he will be termed a Martyr! <sup>35</sup>

It is this instinctive feeling in animals also that makes them fight to protect their family and territory. We find this common factor among most species of animals and birds; some are prominent, while others are not apparent. Is it not a common characteristic that Allah Subhanat'alah has instilled in all living creatures?

*Can we accept Darwin's theory that the instinct to fight is due to MAN evolving from animals? We find that animals can hear sounds that humans cannot hear. They can be aware of the impending earthquakes and other disasters before humans can and save themselves by fleeing from the area. Scientists have proved this.*

*Just ponder. Is there not a GREAT POWER at work behind all these wonderful creations that have Unique characteristics that MAN does not have?*

*Each animal is given the ability to defend itself when in danger and to attack and feed themselves when hungry. However, we find that no animal harms human beings unless threatened.*

*"AND WHICH OF THE FAVOURS OF YOUR LORD WOULD YOU DENY?"*

<sup>35</sup> sunnah.com › abudawud:4772



**THE ELEPHANT:** Another unique animal mentioned in the Quran is the Elephant. In Surah Feel-<sup>105</sup>, *Allah says: "Have you not considered how your Lord dealt with the companions of the elephant... And He sent against them birds in flocks (Ababeel)?"* *Have you ever wondered why such a large animal is mentioned with the tiny Ababeel? Is it really possible that such a tiny bird can destroy an army of elephants without the help of its Creator?* While there are similar types of animals, such as horses, donkeys, zebras, and Giraffes, have they evolved from one another? No, they are entirely different from each other and have unique features, beautiful to look at. Let us examine a few of them. Here, I thought it appropriate to first mention the features Unique to elephants, because the Elephant is mentioned in this Surah.

**THE ELEPHANT** is the largest land animal existing on this Earth today.

- They are found in the tropical regions like Africa, America, and India.
- Their size can reach 7.5 tons for the adult, and they grow 8 to 11 feet tall.
- Its unique feature that cannot be found in any other animal in the world is its trunk, which they use to obtain food, drink, smell, and even breathe! These trunks have incredible strength with 150,000 muscles that can grip, lift, and carry heavy objects.
- Their huge size deters other predators from attacking them, and they live in the wild in groups, with the adult male leading a group of females and cubs to graze and protect their territory from others. Yet with all their strength, man can control them and use them for carrying heavy loads.
- Their thick wrinkled skin helps to trap moisture and remain cool during the hot climate. At intervals, they take mud baths. This enables them to maintain their temperature and avoid insect bites.
- They have large teeth that enable them to chew large branches of trees.
- Their molars grow from the back of their mouth horizontally, can weigh up to 4 kgs, and extend up to 20 centimetres. It protrudes from their mouth, and the four molars get replaced six times during their lifetime, which helps them break and carry huge trunks and other vegetation. Once these molars stop growing, they die due to malnutrition.
- Another unique feature of the Elephant is the tusks, which are elongated incisor teeth of the upper jaw, present in both sexes, but larger and longer for the males. They continue to grow throughout their lives, reaching up to six feet and weighing up to fifty pounds. These tusks are very useful for digging up the roots, clearing bushes to make a path, as well as fighting in self-defense, and saving their mates and territory. *(Men hunt these animals for their tusks to sell at a high price, and leave them to die.)*
- Another unique feature of the Elephants is their large flapping ears, which, apart from hearing low frequencies, help to release the heat and to keep cool by flapping them. The African Bush-Elephant has the largest ears. No other creature on Earth has such large ears. - Compared to the large ears, the

Elephants have tiny eyes, with poor vision, cannot distinguish colours, and can see only at a distance of 20 meters. However, they can see in the dark or low light, allowing them to detect predators at night.

- During the wet season, after gestation, the elephants are pregnant for about 21 to 22 months and give birth to calves that can weigh 260 pounds. These babies are the largest among animal babies.

- Like humans, elephants form a lifelong, strongest bond with their relatives with whom they grow, and share in protecting their babies from harm. They mourn for their dead and use their trunks to greet each other.

- Their intelligence is seen in their use of tools when they break off branches to reach food on higher ground and use sticks to scratch themselves! They are also found to block their habitual drinking spot with sticks to prevent others from using it.

- They feel empathy for other animals, and tend the sick or injured most lovingly, like humans do (or ought to do). They can recognize friends from foes and remain alert to protect their herd in times of danger.<sup>36</sup>

- The extreme intelligence of these species makes us wonder how they understand the languages of humans as well as their own.

- Despite their size and strength, Allah has enabled man to control and domesticate them. Elephants are used to carry heavy loads and trunks from the forests where vehicles cannot enter, and they are even trained to control other rogue elephants. It is a real wonder to watch elephant trainers order them about and make them obey their commands.

*Who other than a Supreme Creator could have given this characteristic to such huge animals to be controlled by Human Beings?*

## CUD-CHEWING ANIMALS:

Cud-chewing is a process that involves partially digested food being pumped back up the oesophagus and into the animal's mouth to be chewed and swallowed again. They have a multi-compartment stomach that allows them to ferment plant matter. When the animals feel threatened, they cannot run as fast as others. Hence, they swallow the food. After they reach a safe place, they can bring it back and chew it well. This is an ability that very few animals possess. *Some of them are the cow, buffalo, goat, and Camel, which are domesticated and reared for their skin, hair, and milk. Along with hens and ducks, Allah allows these animals to be food for humans. Is it not a wonder of Allah's creation that while the other animals are limited and endangered if killed indiscriminately, these domestic animals reproduce in large numbers and provide food for the millions of people in the world, without diminishing.*

<sup>36</sup> <https://wildlifeinformer.com/characteristics-of-elephants/>

## THE CAMEL:

I have mentioned the Camel, a completely different species, which is mentioned in the Quran. There are two types of camels. The Dromedary Camel: One with a single hump found in the Middle East, and The Bactrian Camel: the other with a double hump, found in the Gobi deserts and other Central Asian regions.



Allah asks in Surah Ghaashiyah, <sup>88:17</sup>,

“Then do they not look at the camels - *how they are created?*”

أَفَلَا يَنْظُرُونَ إِلَى الْإِبِلِ كَيْفَ خُلِقَتْ

It is a command from Allah to study and reflect on the special features of the Camel.

What is so important about the camels, a seemingly ugly animal with no apparent intelligence?

The special features found in these animals that help them thrive (not just survive) in the harshest desert areas of the world are mind-boggling. They do not feel the fatigue of the desert and can travel through it with ease. That is why they are called ‘the ship of the desert.’

These camels are crucial for traversing the arid desert region. They are also a source of milk, meat, and wool. And they have been a status symbol of wealth for the nomadic communities ever since they were tamed by the nomads centuries ago. Camels are not just beasts of burden but also instrumental in seed dispersal, vegetable management, and nutrient cycling. Every system in the Camel, from blood, kidneys, heat control, and fat, works in harmony, designed and not at Random.

1. Camels can gulp 100 litres of water within 10 minutes. Most mammals would suffer from water toxicity if they drank so much water. But the cells of camels *are oval-shaped, which gives them elasticity. Thus, they cause no rupture or damage during rapid hydration while drinking.*
2. They can store water in their hump in the form of fat. One gram of fat can produce more than one gram of water. When food in the desert is scarce, the camel can metabolise this stored fat for energy.
3. Hence, not tired for a long period, they can travel for many days without food and water. They can survive up to 10 days without water.
4. Their nostrils close during sandstorms to prevent the sand from entering and act as filters, keeping their lungs clear and healthy. Their nasal system is a high-efficiency recycler. It pulls back water vapour with each breath. *Engineers use the same principles in their space-suit respirators!*
5. They have long, luscious eyelashes that act as a protective barrier, shielding the camel’s eyes from the harsh sun and blowing sand. These natural sunshades help maintain visibility in even the most blinding conditions. If sand does get in, camels have a third eyelid – a nictitating membrane – that sweeps across the eye to remove debris and keep it moist.
6. Their well-padded, broad feet provide grip and stability to walk in the sand without difficulty.
7. Camels can efficiently regulate the concentration of electrolytes in their blood, even when dehydrated. They can adapt to extreme weather conditions. They can survive the loss of up to 30-40%

of body water. 'When they finally find water, they can drink vast quantities in a short period, rapidly rehydrating their tissues. This resilience is a lifesaver in arid environments.'

8. They can maintain the balance between salt and water, which helps them remain hydrated even in extreme conditions and prevents damage to their cells. Their body temperature can rise to 41 degrees Celsius, and at night drop to 34 degrees. *Their thermoregulation is finely tuned. They do not sweat easily, minimizing water loss, and their thick fur provides insulation against both heat and cold, a Biological Air Conditioning System within their body!*

9. Their thick, strong lips enable them to cut through the thorny bushes, the only available vegetation most of the time. And when they do eat them, they squeeze the utmost of the liquid present in them.

#### **THEIR DIGESTIVE SYSTEM:**

10. Their digestive system, too, has a unique, wonderful method of digesting the tough food that they consume and can break down tough, fibrous plants, extracting all hidden nutrients found.

- Although they are cud-chewing animals like cows and goats, Camels digestive system tries to conserve water during every stage of digestion. 'This means they have a multi-compartment stomach that allows them to ferment plant matter, unlocking nutrients that would otherwise be inaccessible. It is like a recycling plant fixed inside the Camel. Food enters the first chamber, the rumen, where it mixes with bacteria and other microorganisms. These tiny helpers break down cellulose, the main component of plant cell walls. Next, the partially digested food, now called cud, is regurgitated, chewed again (giving it another round of physical breakdown), and then swallowed again. This process of regurgitation and re-chewing is key to extracting maximum nutrients. The more the food is broken down, the more surface area the microorganisms have to work on, resulting in higher nutrient yields. The remaining chambers continue the digestive process, absorbing nutrients and water. This slow, deliberate process allows camels to extract every ounce of energy and hydration from their meals. Their droppings are so dry that they can be used as fuel. *No man-made system can match its osmoregulation efficiency.*

**THEIR KIDNEYS** play a crucial role in water conservation by concentrating the urine. 'This ability to minimise water loss through urine is critical for survival in arid environments. It allows camels to go for extended periods without drinking, relying on the water they obtain from their food and the water produced by metabolising fat stored in their humps.'

**Thus, by producing dehydrated faeces and concentrated urine, they retain as much water as possible. Even the air they exhale reduces water loss.** <sup>37</sup>

***DID THEY REALLY EVOLVE ALL THESE CAPABILITIES TO ADAPT TO THE ENVIRONMENT?***

<sup>37</sup> Source: > <https://scienceinsider.blog/camel-desert-adaptations/> <

## THE HORSE:

These belong to the non-cud-chewing animals. They can run swiftly and escape their enemies.



Why does Allah tell man to look at the horse and learn from them?

Allah compares the horse's obedience to man's disobedience in the Surah Al-Aadiyaat (100). - Horses are seen as a symbol of faith and loyalty. They are devoted to their masters, with such dedication that even if they are ordered to jump from a high-rise building, they immediately obey. While "Indeed, mankind, to his Lord, is ungrateful. And indeed, he is a witness to that. And indeed, he is in love with wealth, so intensely..."

إِنَّ الْإِنْسَانَ لِرَبِّهِ لَكَنُودٌ - وَأَنَّهُ عَلَىٰ ذَٰلِكَ لَشَهِيدٌ وَأَنَّهُ لِحُبِّ الْخَيْرِ لَشَدِيدٌ

- Many peculiar features in the horse prevent it from vomiting or breathing through the mouth, because that would be difficult if it had to run fast. A horse can sleep standing as well as lying down.
- The horse is mentioned 6 times in the Quran. It is referred to for its beauty and its value as an animal to be ridden upon <sup>[Quran 16:8]</sup> / 38 - In Surah Nahl <sup>(16:8- 24)</sup>, Allah tells us the dual features of the horses, mules, and donkeys. Although they belong to the same family, horses used to be the most esteemed and most highly valued in Arabia, for their obedience and elegance. They are both useful for riding and pleasing to the mind. The Prophet Suleiman (as) even forgot to pray his Salaat on time, due to his love for horses, and was punished for it. <sup>(38: 32)</sup>
- Research continues on Horses to help man save himself from many dreadful diseases.
- As late as the 19<sup>th</sup> century, to bring about a cure for various illnesses, like diphtheria and dysentery, etc., doctors discovered that through injecting the virus into them, they were able to produce large-scale antiserums to the toxins of the bacteria that cause various illnesses, including snake or dog bites. Thus, the importance of the horse is specified, not only for its elegance and its prowess to ride, but also for the creation of serums to benefit human beings.
- Many species look like horses, but each has a unique personality. Some of them are domesticated, such as Mules and donkeys, which are the most stupid and whose voices are the most disagreeable and carry heavy loads, as mentioned in Surah Luqman, <sup>31:19</sup>, while others, like the Giraffes and Zebras live in the wild and have unique features, each different from the other. Do you know that the stripes of the Zebra are unique, like our fingerprints? *How can these animals have evolved from one another? NO! They are, no doubt, created by the Supreme Creator.*

<sup>38</sup> <https://www.understandinganimalresearch.org.uk/using-animals-in-scientific-research/animal-research-species/horses/horse-10-facts>



**THE GIRAFFE:** The Giraffe is the tallest land animal. Even a newborn is taller than most human beings. It has unique characteristics, such as long necks, intricate spot patterns, and complex social behaviours. Just like human fingerprints, each Giraffe has a unique coat pattern. Their feet are large (with a diameter of 30 centimetres), the size of a dinner plate, and since they are longer than their neck, Giraffes have to spread out their legs to reach water, even when readily available. When they do so, they are in a vulnerable position against predators. Therefore, they rarely drink water. On the other hand, they can reach out to the leaves of tall trees and chew the juiciest leaves, which they twist with their bluish-purple tongue, which are 45 to 50 centimetres long.

- To protect the giraffe's brain from sudden changes in blood pressure while drinking, its jugular veins have elastic walls and large one-way valves. These adaptations allow the veins to expand significantly, preventing blood from flowing back to the brain when the giraffe's head is lowered.
- The giraffe's heart, weighing approximately 11 kilograms, has a much thicker muscle on its left side compared to other mammals. This adaptation allows the heart to generate enough force to pump blood against gravity throughout the giraffe's long body.
- Female giraffes give birth while standing, their young dropping about 2 meters to the ground, with no bones broken! Remarkably, within an hour of birth, these calves can stand on their own. <sup>39</sup>
- Giraffes have remarkable adaptations to manage blood circulation in their long necks and legs. Their blood vessels are thick-walled and muscular, and the skin on their legs is so tight that it acts like giant compression socks, helping to fight gravity and return blood to the heart. *These unique features have inspired scientists at NASA, to design human space suits! Have they evolved all these adaptations on their own accord, or were they created? Please Ponder.*

**THE SCAVENGERS:** Allah has created some animals and birds to keep the environment clean by consuming all the dirt and dead left behind by other animals and plants. Some of them are **THE PIGS:**



Therefore, they are prohibited from being consumed as food by us Muslims. They have their heads always lowered in search of the dirt and excreta of animals and humans, found in the ground. (Those interests, please refer to the net for more)



**VULTURES** are large, carnivorous birds of prey that primarily feed on carrion, the decaying flesh of dead animals. Their unique dietary preferences play a crucial role in maintaining environmental health, preventing the spread of disease, and maintaining the ecosystem.

<sup>39</sup> <https://giraffeconservation.org/facts-about-giraffe/14-fascinating-facts-about-giraffe/>



**THE CAT** is a domestic animal that our Prophet loved, and Abu Huraira was nicknamed the father of cats due to his affection for cats.

- Many special features of cats make them adorable pets, which benefit humans in many ways, with very little maintenance and space. Unlike dogs, they do not require daily walks or regular baths, as they spend 50% of their time grooming themselves. If properly trained, they will never soil the house when a proper litter box is provided. Even when a cat delivers babies, it leaves the place of delivery clean. This is possible because their saliva contains **LYSOZYME**, and their grooming practice kills most bacteria. They spend a quarter of their waking hours on self-cleaning. This can be compared to a human taking a bath over 30 times! <sup>40</sup>
- There is a myth about cats that they eat their first newborn kid to keep healthy. But this is absolutely false. The fact is that the cats, when they deliver, eat the placenta, and lick the spot and the babies clean. <sup>41</sup> This is a unique feature for the cat family to which it belongs. However, while others, like the Lion, tiger, leopard and cheetah, are wild and live in forests, cats are domestic animals and love to be with their Human masters, providing them with good companionship. They are very quiet, independent, do not disturb the household and remain loyal to those who love them.
- Science today tells us that having a cat as a pet helps us relieve stress and saves us from heart attacks and other psychological ailments. *The cat's purr can lower Blood Pressure and promote healing.* <sup>42</sup> *The purring of the cat is in the frequency range of 25 to 150 Hertz. This sound not only relieves stress and tiredness but also helps Heart patients and slows dementia progression in the elderly. Petting a cat stimulates the brain, which slows memory decline to some extent.*
- Cats are natural hunters and are excellent at keeping pests like mice and insects at bay. Having a cat in your home can help prevent infestations and keep your living space clean and sanitary.
- If they are not left to stray, and properly vaccinated, they are clean and free of germs and beneficial for children to accompany. If children grow up with pets and are taught to be kind to them, it helps them learn to behave mildly and patiently with animals as well as human beings. It makes them better in character as they grow up.
- However, be cautious if you have allergies, disruptions to your sleep patterns, and do not allow your cats to stray and get infections from other cats or dogs, which vary from bugs, parasites and even Rabies. Proper vaccinations and grooming periodically are essential to keep your cat healthy.

<sup>40</sup> < <https://www.cat-guide.com/is-it-dirty-for-cats-to-sleep-in-bed> > dt. 21.1.2026

<sup>41</sup> Personal observation: (I grew up with 23 cats in my parents' house).

<sup>42</sup> < <https://vetexplainspets.com/10-reasons-why-cats-are-the-best-pets/#> >

## THE DOGS:



NOWHERE in the Quran does it say that having a dog as a pet is Haram. Indeed, it is mentioned in Surah Kahf, that a dog *was guarding the young men*, squatting at the mouth of the cave.<sup>18, 22</sup>

But it is also mentioned: "However a dog is treated, it still pants and puts out its tongue."<sup>7: 176</sup>

And, our Prophet ﷺ said, 'The *angels do not enter a house in which there is a dog...*'- The punishment for those who keep dogs as pets in the house is that they lose one or two Qiraat from their good deeds, each day.<sup>43</sup> 'Islam forbids Muslims to keep dogs except for hunting, guarding livestock and crops, having trained police dogs, or serving the sick.'<sup>44</sup>

### WHY?

- Although it is NOT haraam to touch a dog or any other animal, our Prophet ﷺ has said that if the saliva of a dog touches you or any part of your clothing, then you should wash the clothing and the body part touched by the dog's mouth or snout.
- *Today, science has discovered that its saliva contains a lot of harmful germs. E.g., 'Capnocytophaga canimorsus,' a bacterium found in the mouths of up to three-quarters of otherwise healthy dogs. These cause life-threatening sepsis. Contact with dog saliva can spread other microbes, potentially with serious outcomes, including meningitis. Hence, because it licks its whole body with this saliva when afflicted by some ailment or itching, it is disgusting to touch unless given a bath, groomed and taken for a walk to poop regularly. They pee at least 4-5 times a day. If they are not trained from a young age not to eat except what is given to them, they can get stomach upset. They are physiologically similar to humans and suffer from similar diseases such as diabetes, epilepsy, cancer, and eye disease. When a dog licks its owner's face, it is not just unhealthy but can even be fatal.*<sup>45</sup>
- Regular Exercise is needed to keep the dog healthy physically and mentally. Must be taken for walks at least twice a day. "The recommended amount of daily exercise for most dogs is 30 minutes to two hours, although certain dogs need more."
- Unlike cats, dogs do not do well on their own. If you do not have the facility to provide your dog with plenty of company and companionship, they will likely become depressed and engage in destructive behaviors. When separated from their masters, they may pine to death.
- While the cat is independent, quiet, and can survive without such pampering, dogs require a lot of attention, space, companionship, and, at times, disturb others with their loud barks.

<sup>43</sup> Sunnah.com- Ṣaḥīḥ al-Bukhārī 3225, Ṣaḥīḥ Muslim 2106

<sup>44</sup> <https://islamqa.info/en/answers/33668/keeping-dogs-to-guard-the-house> >

<sup>45</sup> <https://pethelpful.com/dogs/Reasons-Not-to-Own-a-Dog>



**THE FISHING CATS:** Usually, water is the enemy of cats. They abhor getting wet, but this special cat prefers to live near the water's edge, can swim long distances, chase prey underwater, and can also climb trees to raid birds' nests. Although the family of other felines like lions, panthers, and tigers rarely take a dip, these cats are the true masters of wetland terrain and enjoy swimming and chasing underwater aquatic animals. They are slightly larger than domestic cats, with shorter legs and semi-webbed forepaws that enable them to swim. Their double-layered coat helps them thrive in water, with their undercoat providing warmth and protection from the elements. Their favourite food is fish, and they also eat shellfish, birds, small reptiles, amphibians, and rodents. They are even known to attack calves. They are found in Southeast Asia, Sri Lanka, and Bangladesh.

(Scientists claim that they gained this ability through evolution because of their craving to enter the water. But if this were so, then the question arises as to why aren't all living beings able to develop extra features as they wish?)

**CHIMPANZEES:** <sup>46</sup>Chimpanzees belong to the family of apes, gorillas, bonobos, orangutans,



gibbons, and *humans*, and differ from monkeys, which have a tail. They resemble humans in many ways. Hence, *Scientists assume that they are the predecessor of the Human species*. They have front-facing eyes, intelligent behaviour, walk upright and opposing fingers that give them a good grip to pick up tools and other food. And like Humans, they are omnivorous (they eat both vegetarian and non-vegetarian food). They prefer leaves, bark, flowers and also prey on insects, small birds, and eggs. They love honey and even break the beehives to obtain it.

- Chimpanzees are some of the most intelligent non-human animals on earth. Their intelligence is far more developed than that of other apes, and they can choose and show what they need to their caretakers. However, their arms, longer than their legs, help them swing from tree to tree and move quickly through the forest. They prefer to sleep overnight in nests built within the trees. If we were to watch male chimpanzees fight for their territory, we would find one of the deadliest showdowns ever. *As mentioned above, this characteristic of protecting territory is found commonly in most birds as well as animals that include Humans. However, unlike Humans, they never attack others unless provoked or to protect their family and territory. They are for sure one of Allah's marvellous creations.*

<sup>46</sup> <https://wildlifeinformer.com/characteristics-of-chimpanzees/>

## SNAKES AND THEIR ENEMY THE MANGOOSE:

I had mentioned earlier that Allah informs us that "Allah has created every [living] creature from water. And *of them are those that move on their bellies* ... Indeed, Allah is over all things competent."- وَاللَّهُ خَلَقَ كُلَّ دَابَّةٍ مِّن مَّاءٍ فَمِنْهُمْ مَّن يَمْشِي عَلَى بَطْنِهِ --- إِنَّ اللَّهَ عَلَىٰ كُلِّ شَيْءٍ قَدِيرٌ

**THE SNAKES:** - have some exciting features. They slither over or under the ground, swim in the ocean or freshwater, climb trees, or glide through the air, depending on the species. Their elongated, legless, and scaled bodies are well-adapted for their lifestyle. Although all species have similar appearances, some have specialised features that are often strange or surprising. Although they do not have an external ear, their inner ear detects vibrations, helping them detect their prey.



Snakes are carnivores and hunt frogs, insects, and other small creatures. As they bite, some inject the prey with the venom, which travels through a channel in the teeth or down a groove on the outside of the teeth. Luckily, only a small portion of the venomous species are deadly to humans. While the smallest

snakes are only 10.4 centimetres and are harmless to humans, the King Cobra is the largest and most venomous snake species, growing up to nearly 5.71 meters (19 feet), with a slender profile, weighing only about 10 kilograms, with long fangs as long as 2.2 meters. It is diurnal (most active during the day), with a keen eyesight that can detect its moving prey up to 100 meters (330 feet) away. Some species, found in the rainforests of Africa, like the Gaboon Viper that weighs as much as 20 kilograms, with the longest fangs (5 cm), and delivers more venom, causing more damage than the King Cobra.

**THE MANGOOSE:** *Have you ever wondered how and why this comparatively tiny weasel-like mammal, only 7 inches to 2 feet long, has turned an enemy of the snake that can easily defeat it in combat? Is it caused through evolution or created by the Supreme Creator, in such a manner to keep the snake and rodent population at bay? Please ponder.* The Mongoose, with its quick-footed and agile ninja-like moves, can easily avoid the snake bites and attack and kill the most venomous snakes. To a certain extent, it possesses anti-venom resistance, and can make its body tighten up, limbs stiff and spread out to twice their size. This causes the snake venom bounce off the muscle cells of the mongoose, without causing harm to it. When it kills the snake, it eats it along with the venom sack. The Mongoose are omnivorous and eats both plants and animals, including small birds and rodents. They love to eat the eggs of birds and have unique ways to crack them open. They are known to be friendly with hornbills, who play nanny for their pups, and also enjoy cracking locusts, beetles, crickets, and grasshoppers while they playfully hang out with each other!

## COLD-BLOODED ANIMALS: FISH AND OTHERS

Here are a few examples from the vastly different water creatures that make us look up in awe and realise how true it is when Allah says <sup>(Surah An'am)</sup> that

*“EVERY CREATURE ON EARTH LIVES IN COMMUNITIES LIKE YOU.”*

*“And there is no creature on [or within] the earth or bird that flies with its wings except [that they are] **communities like you**. We have not neglected anything in the Register. Then unto their Lord they will be gathered.”* <sup>6:38</sup>

وَمَا مِنْ دَابَّةٍ فِي الْأَرْضِ وَلَا طَائِرٍ يَطِيرُ بِجَنَاحَيْهِ إِلَّا أُمَّمٌ أُمَّتُكُمْ مَّا قَرَرْنَا فِي الْكِتَابِ مِنْ شَيْءٍ ثُمَّ إِلَىٰ رَبِّهِمْ يُحْشَرُونَ -

And each creature has a unique feature that helps them live and breed safely.

Although they fight to defend their territory and mates, their Unity is a lesson for us. When we observe their way of life, we find that there is no debate in their actions, one over the other, to seek power or glory, nor do they attack other species except when they are threatened or in need of food, and

THE ONE COMMON HABIT IN ALL THE CREATIONS OF ALLAH IS THE DEVOUT, NURTURING AND PROTECTIVE BEHAVIOUR THAT RAISES THE STANDARD OF

A **MOTHER**. EVERY SPECIES HAVE UNIQUE FEATURES FOR SURVIVAL, BUT

THE PROTECTIVE NATURE OF THE MOTHER IN ALL OF THEM IS THE SAME.

SUBAHA ALLAH.

## THE CROCODILES: <sup>47</sup>

*The cult of Sobek, the crocodile god of fertility and water, played an important role in ancient Egyptian religion and culture. Temples dedicated to Sobek, such as the Kom Ombo temple, and the city of Crocodilopolis, were centres of worship and veneration. Although the cult of Sobek declined in popularity over time, his legacy is depicted in Egyptian art, mythology, and history, where he is still revered as a symbol of strength, power, and protection.* <sup>48</sup>



Both crocodiles and alligators look similar, and their difference are negligible.

The Alligators have a dark coloured uniform skin with a broad, U-shaped snout, suited for crushing prey like turtles, and their upper teeth are visible when their mouth is closed. They have webbed toes, while the crocodiles have separate toes. On the other hand, crocodiles have rough, scaly skin, lighter in colour, and their snouts are V-shaped, enabling them to catch fish and mammals. Their teeth interlock, making their teeth visible even when their mouth is closed, which gives them a toothy grin.

The crocodiles are predators that have outlasted the dinosaurs and continue to live as predators.

- a. A group of crocodiles on land is called a “bask”, and when in water, they are called a “float.”
- b. *Crocodiles live in groups to take turns in hunting and keep the babies and young crocodiles safe.*
- c. *A scientific study of crocodiles in 2014 says that they coordinate and collaborate to hunt prey.*<sup>49</sup>
- d. When they eat, they shed tears. That is because they use their sinuses while chewing their food.
- e. Dwarf crocodiles lay around ten eggs, whereas Nile crocodiles can lay 25 to 80 eggs at one time.
- f. Their jaws can crush food at the rate of 3700 psi<sup>50</sup>, making it the strongest bite of any animal, stronger than the lion, but their jaws are weak. If tied with a string, they cannot open their jaws.
- g. Yet, despite this strength, when it comes to their hatchlings, they guard their nests, and when they hatch their eggs, they tenderly care for their babies and protect them for several months after hatching. They even carry them in their mouths if they sense any danger. The hatchlings remain with their mother and their pod for a few years. Then the male goes to find a new ‘bask’.
- h. Crocodiles are cold-blooded reptiles that live in saltwater and have an olive tan, while alligators prefer freshwater and are grey or black. They possess a four-chambered heart similar to that of mammals and birds. This advanced cardiac system allows them to stay underwater for extended periods by redirecting blood flow.
- i. Their blood contains the compound haemoglobin, which creates a red pigment that acts as a natural sunscreen when it reaches their skin and helps protect them during long periods of basking.

<sup>47</sup> <https://animalko.com/fascinating-facts-about-crocodiles-and-myths-you-can-ignore/>

<sup>48</sup> [mythology.net/egyptian-mythology/the-cult-of-sobek-the-crocodile-god-of-fertility-and-water-in-ancient-egyptian-religion/](http://mythology.net/egyptian-mythology/the-cult-of-sobek-the-crocodile-god-of-fertility-and-water-in-ancient-egyptian-religion/)

<sup>49</sup> <https://a-z-animals.com/blog/what-is-a-group-of-crocodiles-called/>

<sup>50</sup> Pounds per square foot

- j. When diving, special valves in their hearts close, sending oxygen-rich blood to vital organs while the rest of the body switches to anaerobic metabolism.
- k. Certain species can “gallop” at speeds up to 11 mph on land, and quickly ‘gallop’ to attack their prey, with all four legs leaving the ground simultaneously.
- l. They use tools for luring their prey. These intelligent beings hold sticks above water to lure birds during nesting seasons, and snap them up when they come close.
- m. These wonderful animals can adapt themselves to their surroundings and can live without food for a year! When food is scarce, their body metabolism slows down. Their digestive system extracts maximum nutrition, and they conserve fat and avoid unnecessary movements until they have something to eat again.
- n. This remarkable adaptation helps them survive through drought or food scarcity. Their bodies store fat effectively and slow down all non-essential functions. Even the acid of their stomach becomes concentrated during fasting periods to maximise digestion when food finally arrives.
- o. Some countries raise large numbers of crocodiles on crocodile farms because they are valued for their skin to make leather products like handbags and suits. Their blood and bile are also believed to have medicinal properties and are sold. Crocodiles can be bred in thousands. One of the largest farms is found in Thailand, which has thousands of licensed crocodile farms.

### ORCA (THE KILLER WHALE):



The killer Whale is a toothed mammal and the largest member of *the dolphin Family*, and one of the most powerful predators. An adult male orca can grow up to 32 feet (9.5 metres) long and can weigh as much as 6 tonnes. They can be identified by their distinctive black colouration, with a white oval eye patch, a unique saddle patch, and

the prominent shape and size of their dorsal fin. <sup>51</sup>

- They have one of the largest brains among mammals. The extensive cerebral cortex develops the sensory nerves and movement control that help to solve problems.
- Another unique feature *is the skill they have to allow one half of the brain to sleep while the other is awake*. This helps them stay aware of their surroundings.
- They communicate through distinctive noises, using echolocation that travels underwater, and each pod recognises and reciprocates the call. This helps them to hunt or when they are in danger.
- When a whale gives birth, the calf struggles for breath for about 15 minutes, during which the rest of the group forms a protective circle and some of them hold the calf above water till it stabilises. Two adults usually accompany a calf.

<sup>51</sup> <https://www.livescience.com/animals/orcas/incredible-first-of-their-kind-images-show-an-orca-being-born-in-norway-and-the-rest-of-its-pod-forming-a-protective-circle>

- 'While a shark has incredible speed and a powerful bite, the orca dominates in every critical area. The killer whale is significantly larger and heavier and possesses a level of intelligence that allows it to outsmart its foe. Orcas rarely hunt alone and are known for their strong social bonding. They work in coordinated teams to isolate and incapacitate the solitary shark. They flip sharks over, causing them to become paralysed. The combination of superior size, strength, and strategic intelligence makes *the orca the undisputed champion of the deep*. It has been found that they attack other whales larger than themselves. Please note that these animals do not attack human beings unless provoked.

Their coordination in hunting is evident when they join together to attack even commercial ships, those they perceive as a threat to their existence. Recent attacks have been perceived as targeting yachts and boats off the coasts of Spain, Morocco, France, and Portugal. Most often, it is the young whales that coordinate and attack the rudder, disabling and sinking ships. During the process, they sometimes gain a reward from the fish caught by the fishermen.<sup>52</sup>

The reasons for the attacks can vary from the playfulness and curiosity of young orcas to protecting their young by their mothers, and stress due to climate change or territorial defence. However, the exact reason for their attacks is not yet ascertained.

As days go by, the attacks by the Orcas have increased, with seemingly more intelligence. It seems that they coordinate with precision to attack the rudder, the control surface, as if they knew and are learning how to slow even the full-fledged commercial ships and fishing trawlers.

*"We are not looking at random aggression," says one North Atlantic cetacean specialist. "We are looking at a sophisticated animal exploring and reinforcing a new behaviour in social groups."*<sup>53</sup>

## SHARKS:



The ocean is full of dangerous predators, the most feared are the sharks and the Orcas. Although they appear similar, they are of completely different species. While both live in the water, the Oscar is a *mammal* that gives birth to babies, and many sharks are *fish* that lay eggs.

- The whole skeleton of the shark is made of only cartilage. This gives them the flexibility to attack with lightning speed. - (Cartilages are semi-rigid, flexible connective tissues, as found in our earlobes.)

- Tiny pores on their snout act as a sixth sense, giving them a keen sense of smell to detect the electric fields of their prey. They are, at most times, lone hunters. They remain hidden and attack suddenly, using their razor-sharp teeth, which they constantly lose and replace throughout their lifetime. Hence, their teeth are always strong, enabling them to catch their prey with ease.

<sup>52</sup> < newatlas.com › biology › orcas-killer-whales-boats >

<sup>53</sup> < <https://www.royalblueheating.co.uk/11-164997-orcas-commercial-north-atlantic/> >

- A shark's skin is covered in tiny, tooth-like scales called dermal denticles that feel rough like sandpaper, and help them swim faster. However, they cannot remain stable and have to keep swimming to pass water over their gills to breathe. Although most sharks, like the catshark, lay eggs, some, like the great white Shark, give birth to babies.

- When compared to size, most species of sharks can reach to a maximum length of 20 meters, much less than the Orca in weight and length. Thus, they fall easy prey to the Orca, which hunts in coordination, and paralyses or confuses their prey, before taking part of their meal.

- However, the sharks are the most feared predators in the oceans of the world, and attack anything that comes their way, including human beings, if provoked, and their only enemy is the Orca.<sup>54</sup>

Recent studies have shown that at times, when they are threatened by the constant disturbances, orcas (killer Whales) and sharks coordinate with each other in their hunting spree, and attack commercial ships as well as fishing vessels.<sup>55</sup>

### **DOLPHINS:** <sup>56</sup>



All dolphins have a basic body shape. Unlike fish, which swim by moving their tails side to side, their tails are horizontally oriented and move up and down. They use their pectoral fins to steer their way and also use them as hands to stroke their fellow dolphins. They generally range from 6 to 12 feet and weigh up to 600 pounds.

While smaller dolphins typically live in rivers, along the coasts, the larger dolphins range far out to sea.

- Their strong bond with other dolphins is such that when one is injured, the others help it to reach the surface. They live in groups of 12, and when many groups mix in the oceans, one dolphin joins another group. They hunt in large groups, taking turns to hunt and stand guard.

- Like Humans, they give birth to live babies and nurse their young calves up to eighteen months. They stay with their mother for at least 3 years, and as they grow, she allows only the 'nanny' or 'Auntie', male or female, who accompanies them all the time.

- Their playful nature, with their other mates throwing seaweed and chasing each other, helps their hunting skills. They communicate with each other with their individual signature whistles.

- It is a wonder that while the Orcas are not friendly with human beings, these sea creatures are very playful in captivity, or otherwise, and even known to save and guide lost boats or men to the shore.

*WHO GAVE THEM THIS ABILITY TO UNDERSTAND HUMANS, AND BE FRIENDLY WITH THEM?*

<sup>54</sup> < <https://iere.org/do-sharks-attack-without-being-provoked/> >

<sup>55</sup> < <https://search.app/68zNM> >

<sup>56</sup> < [www.sciencing.com/characteristics-dolphins-8394898](http://www.sciencing.com/characteristics-dolphins-8394898) >

**THE BLUE WHALE: <sup>57</sup>**

Among Allah's magnificent creations, the blue whale is the largest animal on the planet, larger than the largest dinosaurs. It can reach to about 100 feet in length and weigh up to 200 tons.

- To have an idea of its huge size, we can compare its tongue alone to an elephant's and its heart to a car, and a man can swim through its veins easily!
- *Yet they cause no harm to humans or to other living beings in the ocean. Imagine if such a huge animal could have swallowed humans and other creatures of the sea! It would have caused great devastation. In this, we see the mercy of Allah Subahanat'alah.*
- Despite its huge form, its primary food is the tiny shrimp-like creatures called Krill. Instead of teeth, they possess baleen plates made of keratin, the same material as human nails. The baleen whale (blue whale) has a unique filtering technique called lunge feeding. They take in a large amount of water, and the baleen plates act as a sieve and trap the krill. This enables them to consume about four tons of krill during the feeding season. 'This impressive feeding strategy allows the blue whale to thrive in vast oceans, turning it into a gentle giant that plays a crucial role in our marine ecosystems.'
- Its blue-grey colour helps to blend in with the deep ocean waters.
- They are also the loudest of animals. Its vocalisation can reach 188 decibels and can be heard from long distances. Their calls consist of low-frequency sounds, which can travel hundreds of miles underwater. This ability to communicate over long distances helps them find mates and navigate with *their pod* in the deep ocean, where visibility is limited. Listening to a blue whale's calls is a unique experience and proves that there is no end to the wonders of marine life.
- A blue whale has a gestation period of 11 to 12 months. The mother gives birth to a calf weighing 2 to 3 tons, measuring about 23 feet. The calves do not drink directly from the mother. Instead, they drink the mother's milk that sprouts into the ocean, which does not dissolve in the water because it is filled with fat and remains in its thick liquid form. They consume about 100 gallons of milk daily, thus gaining weight rapidly. By the time they are 8 to 10 months old, they can swim beside their mothers and start feeding on krill
- The calves reach maturity by 8-10 years, and the males try to attract the females by means of vocal and physical displays, and the females give birth to babies every two to three years.
- They migrate between feeding grounds in the colder regions of the Arctic during summer and warmer areas near the equator during winter to breed and give birth to their calves.

---

<sup>57</sup> < <https://knowanimals.com/what-is-special-about-the-blue-whale/> >

- This migration, through as much as 10,000 miles every year, helps them explore and ensure different habitats for their food and suitable conditions to raise their young.
- Although they have little to fear from other predators, their main enemy is *MAN*, who hunts them for their oil and other commercial benefits. Although hunting them is now banned, the noise and environmental pollution pose a great threat to their existence.
- Being a mammal, the Blue Whale requires air to breathe. The remarkable method that Allah has provided for them enables them to dive under the depths of the ocean. They can hold their breath for 30 to 90 minutes. The huge lungs of the Blue Whale have the capacity to store as much as 5000 litres of air. This helps them inhale maximum oxygen.
- The Unique feature of the Blue Whale is the blowhole, which helps it to breathe efficiently, and is situated on the top of its head. Hence, they do not have to emerge fully from the water. When it comes to the surface, it exhales through the blowhole. This creates a powerful spray of water vapour that can shoot up to 30 feet in the air. This remarkable spray of water vapour can be seen from a long distance. After exhaling, the whale quickly inhales fresh air through the blowhole. And this blowhole closes automatically when it is underwater. This prevents air from entering its lungs.

*Allah asks us to ponder over HIS vast creations. Just imagine a life in the Arctic and Antarctica, where it is almost impossible for a man to survive without safety gear. Yet HE has created such animals that vary in all physiques to survive with ease in the harsh climate. Some of the unique animals that live in Antarctica are seals and Penguins, each having a unique way of survival.*



**SEALS:** Any of 32 species of web-footed aquatic mammals that live chiefly in cold seas and whose body shape, round at the middle and tapered at the ends, is called a seal. They are adapted to swift and graceful swimming. In Antarctica, among marine animals, *the seal* is the largest animal. They feed on penguins and other fish and crustaceans that are available in the cold waters of the Ocean. Some seals, like the harbour seal, are relatively small, while others, such as the elephant seal, can grow to be massive, weighing several tons. With their elite diving skills, sharp intelligence, naturally curious nature, and their thick blubber, which helps insulate them against the severe weather, they thrive in some of the harshest environments on Earth. However, instead of legs, they have only flippers, which act as a rudder. The back flipper is also used to move on land, although with difficulty.

Although they appear clumsy and awkward on land, in the water, the seal uses its torpedo-shaped body and fin-like feet to perform amazing feats of agility and predation. They possess an acute sense of hearing low-frequency sounds (*that man cannot hear*). They possess large, specialised eyes and sharp eyesight to adapt to the dim light under the water. Their sensitive whiskers enable them to detect their prey easily. A single leopard seal can take in about 6 penguins in a day.

*The great power of Allah Subhanat'alah is manifest here, when we see that they can store large amounts of Oxygen in their muscles and blood, and redirect blood flow to essential organs like the brain*

*and heart, ensuring that these vital parts receive enough oxygen.* Their heart rate reduces significantly while diving, which conserves oxygen and helps them dive deeper with agility and stay submerged for a longer duration compared to many other marine animals, enabling them catch their prey with ease.

Seals are social animals, *often found in groups or colonies*, especially during breeding seasons. They interact closely with each other, engaging in behaviours such as grooming, playing, and forming social bonds, and use a variety of vocalisations and body language to communicate with each other. They produce sounds such as barks, grunts, and moans, which are used to establish territory, attract mates, or signal distress. Body movements, like flipper slapping or head bobbing, also play a role in communication, helping seals convey messages within their group.<sup>58</sup> Like all carnivorous animals, they maintain the balance in the ecosystem. No animal kills any other for fun, as Man, who is out to destroy the ecosystem by hunting these unique species, which are the real wealth of the world.



**PIRANHA:** In contrast to the largest sea creature, the Whale, piranhas are fairly small, with a maximum length of 17 inches and typically travel in groups called shoals, communicating through body language. There are thirty different species, each with unique characteristics, and they are known for their strong sense of communal harmony. They have an organised swimming pattern that protects them from falling prey to larger predators. They are misrepresented as the most ferocious fish that can strip to their bones any animal, including man. However, *they are not* mindless killers like some human beings, but they actually eat a wide variety of food, including plants and carrion. They have razor-sharp teeth that can cut through flesh, and they lose and regrow them many times so that they remain always sharp and strong. *Despite this, they are scavengers and do not attack humans unless provoked.*



**CRUCIAN CARP** inhabit ponds and lakes across northern Europe and Asia, many of which freeze in the winter months. *These fish can live for weeks or even months without oxygen, enduring entire winters sealed beneath ice-covered lakes.* Most fish will typically either migrate, suffocate or die. But not crucian carp; they somehow manage to remain active beneath the ice, sometimes for months, waiting for spring to come. Specifically, the study explains that when oxygen disappears, crucian carp essentially turn their toxic metabolic waste into a diffusible substance, which then simply leaks away, using the same biochemical logic that yeast uses during fermentation. Crucian carp are the only known vertebrates to rely on this strategy for long-term survival.<sup>59</sup>

***WHO TAUGHT THEM THIS TACTIC TO SURVIVE WITHOUT OXYGEN? PLEASE PONDER.***

<sup>58</sup> <https://brightstandards.com/what-are-the-special-characteristics-of-seals/>

<sup>59</sup> <http://search.app/ZD9fN>

## PRAWNS:



-Shrimps are small, swimming crustaceans that are closely related to crabs and lobsters. They have a segmented body, multiple pairs of legs, a strong outer shell for protection, and large and small pincers.’ These tiny creatures differ from the fish in all ways. There are over 2,000 species of shrimp found worldwide, from the tropics to the Antarctic Ocean. They also thrive in freshwater environments. Hence, at least 25% of their population is reared in shrimp farms and sold for their delicious taste. <sup>60</sup>

- - Among them, the largest and most tasty are the tiger fish. They can grow to an adult's forearm length and have more tail meat than the average lobster. The tiger fish and the gulf Brown shrimp are commercially reared for man's palate.

- Shrimp are omnivorous and subsist on organisms, from algae to seaweed, as well as scavenge for tiny microscopic plants and animals that exist around them by shifting through the ocean floor.

- Most people would think that the loudest noise made is that of the sperm whale, which clicks at an ear-rattling 230 decibels (dB). Or of the blue whales whose call can travel thousands of miles across the oceans. *But the real noise makers are the tiny claw snapping shrimp.* These shrimps, no larger than our little finger, snap their claws so fast that they shoot a jet of water and produce a cavitation bubble emitting light. When thousands of shrimps clap their claws in huge colonies, the racket they create can reach to 210 dB, louder than rock concerts or even jet engines. By their oversized claws, these shrimps create powerful shockwaves.<sup>61</sup> Despite their tiny brains, it is extraordinary to note that during mating season, the male engages in courtship and the female releases 'pheromones' if they are ready. They can reproduce as many as a few hundred to several thousand eggs in a single reproductive cycle. The tiny transparent Shrimp larvae moult multiple times during growth, float in the water, and survive on plankton and other organisms. Overfishing and climate change, which degrade their natural habitat, present a danger to the balance in the ecosystem. Therefore, protecting shrimp populations through safeguarding estuaries, mangroves, salt marshes, and seagrass beds is essential. <sup>62</sup>

**CAN ANYONE DISPUTE THE POWER OF THE SUPREME CREATOR, WHO CREATED SUCH DELICACIES FOR US?**

There are many animals and birds that remain awake at night and sleep during the day. They are called nocturnal animals. Examples of animals that are nocturnal include bats, cats, opossums, raccoons, coyotes, and owls.

<sup>60</sup> <https://www.trvst.world/biodiversity/shrimp-facts/>

<sup>61</sup> [http://timesofindia.indiatimes.com/articleshow/126120774.cms?utm\\_source=contentofinterest&utm\\_medium=text&utm\\_campaign=cppst](http://timesofindia.indiatimes.com/articleshow/126120774.cms?utm_source=contentofinterest&utm_medium=text&utm_campaign=cppst)

<sup>62</sup> <https://www.trvst.world/biodiversity/shrimp-facts/>

## ANIMALS THAT CARRY THEIR OWN HOMES ON THEIR BACKS:



Imagine a creature that has to carry its house on its back wherever it goes. These are another of the wonders of Allah's Creations. I can mention only a few of them. Soft-bodied molluscs, like snails, clams and oysters, are vulnerable to their surroundings. Hence, Allah grants them protection by having their own homes built of Calcium Carbonate and Proteins. When the animal dies, the shells are deposited on the seashore and collected as curios. Allah informs us: "And not alike are the two bodies of water. One is fresh and sweet, palatable for drinking, while the other is salty and bitter.

*"And from each you eat tender meat and extract ornaments which you wear..."*

وَمِنْ كُلِّ تَأْكُلُونَ لَحْمًا طَرِيًّا وَتَسْتَخْرِجُونَ حِلْيَةً تَلْبَسُونَهَا

**OYSTERS:** <sup>63</sup> Pearls are made of the same material as the shells that surround them!

Pearls, urchin spines, the shell of mussels, snails, and clams, even coral-all these structures are made of the same chemical compound: CaCO<sub>3</sub> (Calcium Carbonate), which is produced when the seawater absorbs the carbon from the Earth.

How does this single material make such a vast array of materials from a single compound?

*Who gives them the power to create different shapes and sizes for these shells?*

*How are they able to produce pearls, corals, opal, and other jewels that man adorns himself with?*

*Do you not see the hand of a Supreme Creator in this wonderful creation?*



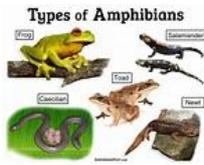
**TORTOISE and TURTLES:** Tortoises, or terrestrial turtles, have a round, domed shell and club-like, flat-footed legs. It spends nearly all its time on land and cannot swim in water. In comparison, turtles have flat shells and flippers or webbed feet, which enable them to swim in water and spend most of their time in water.

However, tortoises are found to adapt to different climate conditions. They are found in all countries except Australia and Antarctica. They have strong limbs to walk and carry their heavy frame, and their strong forelegs have claws to dig in the sand as well as defend themselves. When in danger, they can curl themselves into the dome-shaped shell that is fused to their body.

Another special feature of the turtles is that after mating, they lay 1 to 30 eggs in a burrow they dig with their hind legs on the seashore, and after covering them with sand, leave them to hatch. The eggs hatch after about 100 to 160 days. The baby turtles find their way to the water source on their own accord. This helps them develop their muscles and survival instincts. It also helps them remember their unique home scent for future nesting. Handling them to assist them to sea would disrupt these vital processes and lead to potential disorientation and developmental failures.

<sup>63</sup> <https://in.search.yahoo.com/search?fr=mcafee&type=E210IN105G0&p=how+are+pearls+formed%3F>

## THE AMPHIBIANS



While some creatures live on land, in the air, and in water, a few of them can survive both in the water and on land. They are called Amphibians. The name Amphibians means two lives. There are 5000 species of amphibians, and they are cold-blooded (their body temperature depends on their surroundings). Some of their examples include frogs, toads, salamanders, newts, Sicilians, and axolotls. Some are bright in colour, while others blend into the environment with their green or brown colouring, and vary in size from one centimetre to one and a half metres. Some have no legs at all, while others have weak legs that enable them to slither and swim in the water. Most amphibians lay their eggs in water, where they hatch and spend their early years and move to land after attaining adulthood. While young, they look very different and undergo metamorphosis. They are incredible animals and are perfectly designed for their surroundings. *Overall, they are wonderful examples of how unique and wonderful our world can be.*

**FROGS:** We can find frogs all over the world where there is marshy land and water. **The hearts of most amphibians have three chambers. They have two circulatory routes, one for oxygenation through the lungs and skin and the other to carry oxygen to the rest of the body. The fertilisation and development of young ones take place outside the body. They are mainly carnivorous and feed on almost anything that moves, and which they can swallow, such as spiders and earthworms. This helps to maintain the ecosystem. They lay soft, jelly-like eggs that stick to the leaves underwater.** Like all amphibians, they undergo metamorphosis, growing from tadpoles with tails and gills through which they breathe in water. When they reach adulthood, they develop lungs and can breathe with their lungs and their wet skin, which absorbs the oxygen. This is why they need water or a moist environment. They have no internal mechanisms to regulate their body temperature; nature has provided them with different characteristics that help them adapt to adverse surroundings and to stay alive. As ectotherms, they burrow into the mud to keep cool when it is hot, and bask in the sun when the atmosphere is cold. To conserve energy, they can sometimes go into a state of Brumation (similar to hibernation) when the temperature is too cold. Some amphibians, like the frogs, have strong legs with which they leap long distances to catch their prey, while others have poisonous skin to protect them from predators, and can live for a long time. Olms, a species of Salamanders with a long, thin body, can live up to a hundred years. <sup>64</sup>

---

<sup>64</sup> different amphibians found – source Google

## DEEP SEA CREATURES:

Scientists have discovered that life exists in the deep sea, with its own intelligence to find its food, even in the pitch-dark atmosphere. The Midnight Zone is 1,600 to 13,000 feet below sea level, where no sunlight reaches, and has a pressure 400 times higher than at sea level. By the level of 3,300 feet, even the last traces of violet-spectrum sunlight disappear, leaving total darkness where nothing can be seen. Scientists have detected living creatures at these depths, leading them to wonder how they can survive. Allah says in Surah Nur <sup>24:40</sup>, "Or [they are] like darkneses within an unfathomable sea which is covered by waves, upon which are waves, over which are clouds - darkneses, some of them upon others. *When one puts out his hand [therein], he can hardly see it...*"

أَوْ كَظُلُمَاتٍ فِي بَحْرٍ لُجِّيٍّ يَغْشَاهُ مَوْجٌ مِّنْ فَوْقِهِ مَوْجٌ مِّنْ فَوْقِهِ سَحَابٌ  
ظُلُمَاتٌ بَعْضُهَا فَوْقَ بَعْضٍ إِذَا أَخْرَجَ يَدَهُ لَمْ يَكَدْ يَرَاهَا ۗ

Scientists found this to be true and considered that life cannot exist at such depths where it is pitch-dark and the pressure is too high. However, recently, advanced technology has enabled them to send robots and other instruments deep down into Antarctica and other oceans, which was hitherto the least explored region in the world. Here, they discovered the most mysterious creatures that thrived in the dark, deep oceans.

**GIANT CRUSTACEANS:** The giant amphipod<sup>65</sup>; a rare species of gigantic shrimp-like crustacean,



which can grow up to 13.4 inches. It was discovered to thrive in large numbers at a depth of *29,000 feet*, in vast areas of the deep sea near the Pacific, Atlantic and Indian oceans. Dr Maroni, in a study published in 'Royal Society Open Science'. explains that the species is spread beyond the vast ocean areas with

little genetic variation. They live widely in deep-sea *craters and plains ranging from 17,400 feet to 29,300 feet. They are scavengers and feed on carcasses and organic matter that sink to the ocean floor. This enables it to survive on food that is available sporadically in remote areas. Who gave these creatures this ability to thrive? What enables them to survive in adverse situations in areas where temperatures are close to freezing, and the pressure is very high? How is it that they have no genetic variations all over the world? Whatever explanations Scientists give, the hand of a Supreme Power, which they call NATURE, cannot be denied. It baffles them that when there will be food shortages in the deep sea, temperatures will be close to freezing, and pressure will be crushing, what enables them to thrive in deep-sea trenches and hadal zones?*

<sup>65</sup> <https://tamil.indianexpress.com/science/deep-sea-creature-giant-amphipod-alicella-gigantea-marine-life-supergiant-crustacean-10950717>



**THE CATFISH:** - They are a diverse group of ray-finned fish, with over 3,000 species and defined by distinctive whiskers and their distinctive skull and swim bladder. Catfish are named for their prominent barbels, which most resemble a cat's whiskers. Neither the armour-plated nor the naked species have scales.

They feed on other sea-creatures and are a source of food for Man.- We cannot stop glorifying Allah when we hear that in the most remote areas of the world, too, life exists, and their provision is provided for them where they are. Here is an example of that. In Africa, there is a canyon with humid air rushing to the surface, named 'Dragon's Breath Cave.' The shaft descends to 60 meters before reaching a large cave where no light penetrates. This cave was filled with cool, fresh water in the world's largest underground lake! <sup>66</sup>

- Scientists say this water must have been trapped here for 1000s of years. Yet it is a wonder that it remains fresh and sweet. It has not been calculated how deep it is. The diver could only reach about 100 feet without reaching the bottom. And, here there is life; Blind Golden catfish are found in only this one cave. *They are the rarest and most isolated fish in the world. They are totally blind, and the only world they know is the one that they sense through touch.*

- *Is it not a wonder that even here Allah has placed a living being that is totally blind, in perpetual darkness deep beneath one of the most arid regions of Africa, and provides its food from the debris that is tossed from above from time to time? Or, do you think that they 'evolved' by themselves?*

**THE DRAGON FISH:** Belonging to the stannic family that has a species of 290, the Dragon fish is



from 10 to 20 inches in length. Found at a depth of 4,900 feet, it is almost invisible except for the faint glowing lure that is suspended below its skin. Its light comes from a chin-mounted appendage called Barbel. It emits a cold bio-luminous glow that lures the fish, shrimps and other vertebrates that pass by, which cannot see the danger till the dragon fish has come too close. Some dragon fish produce red bioluminescent light that lures their prey. Their sharp teeth lack enamel and, hence, cannot be detected even at close range, enabling them to trap their prey. It can move silently through the water with its slender and flexible body. Its jaws can open more than 100 degrees, with which it can swallow fish even half its size! <sup>67</sup>

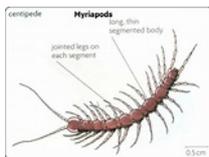
*DID THEY EVOLVE BY THEMSELVES? - However deep they dig or reach the highest areas of the Earth, by the advanced technologies that Allah has provided for them, Man will ultimately conclude that all this cannot evolve by themselves, but requires a MASTER HAND THAT SHAPE THE CREATION.*

<sup>66</sup> < <https://www.youtube.com/watch?v=0Swd5hSL1jY> > Narrated by David Attenborough | Africa | BBC Earth

<sup>67</sup> < <https://www.youtube.com/watch?v=fKBVz1DOxfl> > Many more wonders can be watched in this video.

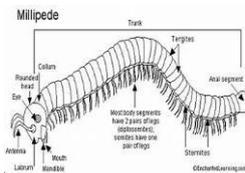
## VENOMOUS CREATURES:

Allah has created creatures with wings, gills like fish, and creatures that have two legs, four legs, that move on their bellies, and creatures with 100 to 1000 legs. To make my narrative short, I aim to mention only a few characteristics of some of them. <sup>68</sup> We should remember that most of them help to maintain the ecological balance.



pain similar to a bee sting.

**CENTIPEDE:** Centipedes are flat, fast-moving carnivores with venomous fangs, preying on tiny insects and spiders. They help control pests. Centipedes use speed and venom to defend themselves. They have a flattened, elongated body with multiple segments, each having a pair of elongated legs that enable them to move rapidly and attack their prey. Their venom is not deadly to humans, but it can cause



**MILLIPEDE:** Millipedes are cylindrical and slow, and are detritivores that feed on decaying matter. This helps keep the soil healthy. When they are faced with danger, they curl up and may release irritating chemicals. They have close segments with a pair of legs on each segment.



**SCORPION:** Scorpions are predatory arachnids with eight legs, a pair of grasping pincers and a narrow, segmented tail, with a characteristic forward curve over the back with a stinger at the tip. In normal circumstances, a scorpion bite causes minor pain with swelling that can be cured with analgesics. But the scorpions of Central and South America and Africa are much more dangerous, with thousands of fatalities and serious illnesses occurring every year in these areas in relation to scorpion envenomation.

*THE MAIN POINT IS THAT THEY ATTACK US ONLY WHEN THREATENED. THEY DO NOT KILL EXCEPT FOR FOOD.*

## SEAHORSES: THE FATHER DELIVERS BABIES!



*Have you ever heard of a father giving birth to babies? If NO, then look at these unique sea creatures! The Syngnathidae family, which includes seahorses, sea dragons and pipefish. It is a real wonder of creation (Nature?) to see among them that although the male produces sperm, it is the female that impregnates the male by inserting her eggs into a pouch on the front of his tail, into which he releases sperm to fertilise the eggs and incubate the babies for 24 days. The male seahorse uses skeletal muscles rather than smooth muscles to contract the brood pouch and gives birth to up to 2,000 babies at a time.*<sup>69</sup>

**WHAT MORE WONDERS OF CREATION DO YOU NEED TO PROVE THE POWER OF OUR CREATOR?**

<sup>68</sup>[http://timesofindia.indiatimes.com/articleshow/123094128.cms?utm\\_source=contentofinterest&utm\\_medium=text&utm\\_campaign=cppst](http://timesofindia.indiatimes.com/articleshow/123094128.cms?utm_source=contentofinterest&utm_medium=text&utm_campaign=cppst)

<sup>69</sup> <https://animals.howstuffworks.com/fish/male-seahorses-give-birth.htm>

## MORE UNIQUE FEATURES OF ANIMALS: <sup>70</sup>

1. Many fish are found to survive and thrive in the icy cold waters of the Antarctic and Arctic regions. Some of them have antifreeze-like proteins that prevent crystals from forming in their blood, like the Antarctic icefish and Arctic cod. Some, like the Lake whitefish, slow down their metabolism and utilise their oxygen efficiently. In contrast, others, like the Antarctic Toothfish, which grow several feet long, have thick flesh and remain active through steady swimming.

2. We spoke about amphibians and animals. Science has discovered that some fish walk and breed on land. Mudskippers, lungfish, the eel catfish, and grunion fish, all not only survive on land but also thrive, catch their prey in the mud, breed and even lay eggs on the beaches. However, mudskippers are almost always found on land.



3. We know that plants draw their nutrition from the sun through their leaves, harvesting Chlorophyll, and the ground through their roots. But do you know that there are insect-eating carnivorous plants?



From Venus flytraps that snap insects, to pitcher plants that dissolve prey in acidic pools, these species get a significant portion of their nutrition from animals. <sup>71</sup> These plants are found in land where the soil is unable to provide them with Nitrogen and phosphorus, which are essential for their growth. *Is it not a wonder how Allah has arranged food for plants that grow even in unfavourable conditions? Did all this evolve by itself?*

4. **The bizarre Bump head sunfish,** <sup>72</sup> The heaviest bonefish in the world live in the cold deep waters and come to the surface to warm themselves. They weigh between 545 and 20,205 pounds and have a flattened body with a huge head. Imagine what would have happened if they attacked humans, but no! Despite their size, they are gentle giants of the open seas, feeding on gelatinous prey such as jellyfish and saps. *What else can create such wonders except the Supreme Lord of the worlds?*



5. **The Beaver fish.** Autumn is the busiest time for beavers – they need trunks of trees to build dams to ensure they can survive the harsh winter months. It is a wonder how they cut down trees within a few hours by chewing them until they are weakened and can be felled by the strong wind. Once the tree falls, it cuts the branches to more manageable lengths to carry them along in the water, towards the dam they build with mud. This dam provides fish that they would need during the freezing winter. Moose also avail themselves of the water plants. *Who taught them to create such a wonderful structure and share it with other animals, too?*



<sup>70</sup> Fish that can survive in icy waters.

<sup>71</sup> <https://search.app/N8D4Z>

<sup>72</sup> <https://search.app/pZtck>

6. **The Namaqua sandgrouse:** lives in the harshest deserts on Earth, in Africa and the Middle East. Every morning, the father risks his life so his babies can drink. His chicks are dependent on him for a month before they can fend for themselves. So, he flies 30km to find water and soaks his specially engineered feathers, which have microscopic, coiled structures that trap water like a sponge, absorbing 25ml, 15% of his body weight, and risks his life to bring it back to the chicks! <sup>73</sup>

*Which of the wonders will you deny?*

7. **The Malaysian Thalegal:** this bird digs a deep hole in the volcanic soil, deposits its egg and leaves it hatch on their own. The chick emerges in the darkness of the underground and pushes itself up until it can break the surface. By this time, it is full-grown and can fend for itself!

*Nobody feeds him or takes care of him. Allah takes care!*

8. **Capybaras and crocodilians** (especially caimans) share wetlands across South America, including the Pantanal and Llanos. They drink from the same waters, rest on the same banks, and cross paths daily. Yet ecological field studies consistently show that crocodiles rarely target adult capybaras. The crocodile knows that it cannot win the fight! *Who gave them this intelligence?*

9. **The Andean Partridge:** Its peculiarity is that it lays bright chocolate-coloured eggs as if they were polished. The dark pigment helps to absorb the heat from the Andean sun, where temperatures drop drastically at night. Since its nest is only a small, shallow depression in the Earth, it requires warmth for hatching. There is the danger of predators. Hence, it remains hidden behind the rocks, camouflaged, and its absolute stillness makes it nearly invisible.

10. **Weaver ants** in South and Southeast Asia build remarkable leaf nests. These tiny engineers work together, coordinating their pulling forces with precision. They create living bridges and use larvae to seal their homes. This collective strength allows them to overcome challenges that a single ant cannot perform. Each ant contributes efficiently, aligning its pull with the group, without any central control. The combined force is strong enough to bend stiff leaves and hold them in place long enough for the nest to take shape. Their strategy is a lesson for us to cooperate to overcome problems.

11. **Social-weaver-bird-nest:** Weighing a tonne and packed with hundreds of rooms – each home



to a family — it can house a staggering 500 households. "It has ventilation systems, food storage, nurseries, toilets and highways" No! They are not human apartments, but of birds living in colonies. It is the heaviest, largest, most densely populated bird nest... that's been built and extended over decades.

*WHICH OF THE WONDERS OF THE LORD WILL YOU DENY?*

<sup>73</sup> <https://www.instagram.com/reel/DUIVEdsDq6-/?igsh=MWo0ajBrdHlyM2hrNg%3D%3D>

- Allah says in the Quran: Man will look around him and ponder over the vastness of HIS creation; "...Who remember Allah while standing or sitting or [lying] on their sides and ponder over the creation of the heavens and the earth, [saying], "Our Lord, You did not create this aimlessly; exalted are You [above such a thing]; then protect us from the punishment of the Fire." 3: 191

- الَّذِينَ يَذْكُرُونَ اللَّهَ قِيَامًا وَقُعُودًا وَعَلَىٰ جُنُوبِهِمْ وَيَتَفَكَّرُونَ فِي خَلْقِ السَّمَاوَاتِ وَالْأَرْضِ -

- رَبَّنَا مَا خَلَقْتَ هَذَا بَاطِلًا سُبْحَانَكَ فَقِنَا عَذَابَ النَّارِ -

=====

NOW, WE SEE THAT MANY INSECTS AND ANIMALS ARE HARMFUL TO US. , WE WONDER WHY ALLAH CREATED SUCH CREATURES, WHOSE VENOM ARE HARMFUL TO HUMANS?

Allah did not create the venom in certain animals to harm mankind. They were given them to protect themselves from predators. But it was man who occupied their dwelling places, causing them to lose their habitat. The rapid pace of industrialisation and deforestation has driven animals, whose habitats are destroyed, into urban areas. Moreover, the lack of civic sense and carelessness among humans results in an increase in pests, and the more chemicals are used, the more delicate the balance is disturbed, thus causing harm to them.

## CONCLUSION:

I can never claim to have covered all the species of what Allah has created in this world, nor can I say that I have completed this book. However, one common factor from all that I have penned in this small book is sure to raise the curiosity of every Human Being to glorify Allah, the Supreme Creator, who has created all for our benefit in perfect balance, so that they do not harm us.

- The one common factor we find in this is that man himself is his own enemy. He, by his greed and curiosity, is slowly destroying the ecosystem, which would be harmful in the long run.
- Even the mountains are placed as pegs to keep the earth firm. The forests are essential for the rain and moisture for man. It also provides oxygen during the process of photosynthesis. When he cuts all the trees and destroys the mountains to obtain granite and other minerals, he is left with only desert lands and an earth prone to climate change, pollution, and earthquakes.
- Even the snakes, frogs and fish should be in proportion for man to enjoy their benefits. Destroying snakes results in the overpopulation of frogs, rats, and other pests that destroy crops, which would be a disaster for human beings. By destroying all frogs, the pests, mosquitoes, and other harmful insects would be uncontrollable, causing diseases and destruction for him.
- Global warming is caused by the smoke emitted from industries and wars, resulting in the melting of the ice of the Arctic and Antarctic. Scientists warn that in no time the water level will rise above the shores, flooding most of the land.
- The bliss that was experienced during the Corona epidemic can be given as an example of the disturbances caused by MAN. During the 'Corona lockdown' in 2020, global shipping was severely restricted. As a result, marine noise pollution had almost completely stopped. Instead, the 'songs of the fish' mingled with the sea.
- All these years, man could not hear these sounds, underwater. It was only in the early 20<sup>th</sup> century, after hydrophones (microphones underwater) were discovered, that this became possible. When the sounds of thousands of animals underwater, crackles, snaps, pops and clicks, came together, it seemed as if a band was being played with thousands of different instruments <sup>74</sup>
- Once the Corona vanished, the ships resumed their business. The animals again found it difficult to communicate due to sound pollution, which in turn affected their reproduction and feeding capability.
- And last but not least, although the Scientists have realized their folly, today, due to a lack of proper moral and academic education and training among children, or due to their greed to gain

---

<sup>74</sup> <https://www.bbc.com/tamil/articles/c5yxj73q8q4o> -Steve Simpson, a marine biologist at the University of Bristol.

more, even at the cost of harm to others, they do not realize the damage they are causing to Mother Earth that Allah has created for their comfort and which sustains them.

- The effort taken by some conservationists has enabled the reforestation of the desert lands that man had himself created by his folly. After planting a few trees, they reintroduced the birds and animals that had once vanished, providing an ideal environment for reforestation. The pollination and reseeded through their digestive process causes the trees to grow in strength, resulting in more rain. However, despite their efforts, man, in his greed for more, has not stopped the wars and fighting that destroy the environment and cause loss for human beings.

- Let us ponder. Imagine the whole animal kingdom. How balanced is everything placed! It is incomprehensible to imagine the amount of Rizq required to provide for the millions and millions of animals and other creatures, as well as the humans on the Earth, who are also given their water, food, and oxygen. If the ecosystem is disturbed, it can result in climate change, earthquakes, and other disturbances.

Almighty Allah declares that He has provided sustenance for all creatures. Let alone birds and animals, Allah even provides the Rizq (provision) for tiny creatures to survive in the arid desert, and even in lakes, under the surface of the earth, where light does not even penetrate. "And there is no creature on earth but that upon Allah is its provision, and He knows its place of dwelling and place of storage. All is in a clear register." (Al-Quran, Surah 11:6)

وَمَا مِنْ دَابَّةٍ فِي الْأَرْضِ إِلَّا عَلَى اللَّهِ رِزْقُهَا وَيَعْلَمُ مُسْتَقَرَّهَا وَمُسْتَوْدَعَهَا ۗ كُلٌّ فِي كِتَابٍ مُبِينٍ -

- *Life comes as a complete circle. Man is created from Earth, eats food from plants and animals that are also made from the same Earth, and then his body returns to the Earth, to be eaten by worms and reptiles and turns into manure for the same plants and animals. This way, the balance of life is maintained.*

- *What technology can create such a perfect balance? Although some species of creatures resemble each other, each has unique features and survival strategies. And Allah declares that HE creates new matter whenever HE wishes' 55: 39. Scientists discover life in the most unlikely places. Although they are left in awe of these wonderful creations, and some of them have even reverted to Islam in humble acceptance of their Creator, some of them still do not realise the beauty and uniqueness of the Creator, who brought all these forth for their comfort and pleasure.*

WHICH OF THE FAVOURS OF YOUR LORD WILL YOU DENY?

MAY ALLAH GUIDE ALL TOWARD THE TRUTH.