

**Did you know that the Quran mentions the orbits of the sun, the stars and the galaxies?**

Whilst referring to the Sun and the Moon in the Quran, God emphasises that each moves in a definite orbit.



**"It is He Who created the night and the day, and the sun and the moon. They swim along, each in an orbit." (Quran 21:33)**

It is mentioned in another verse too, that the Sun is not static but moves in a definite orbit:

**"And the sun runs to its resting place. That is the decree of the Almighty, the All-Knowing." (Quran 37:38)**



The facts communicated in the Quran have been discovered by astronomical observations in our age. According to the calculations of experts on astronomy, the Sun is not motionless, but is travelling at a speed of 720,000 kilometres an hour in the direction of the star Vega in a particular orbit called the Solar Apex. In other words, this is the "target" within the Milky Way that the Sun appears to be "chasing" as it orbits the galaxy (Surhone 2010).

Yet, the entire universe is full of paths and orbits such as this one, and this is written in the Quran:

**"By the sky full of paths and orbits." (The Quran 51:7)**

There are about 200 billion galaxies in the universe, consisting of nearly 100 billion stars in each, and most of these stars have planets and satellites. These heavenly bodies all move in very precisely computed orbits, and for millions of years, each has been "swimming" along in its own orbit in perfect harmony and order with all the others. (Surhone 2010).

**What can we learn from these miracles?**

There are many other miracles mentioned in the Quran, and these have been explored in more detail on our website. Yet, the most important point to take into account is this: there are far too many accurate scientific references for these to be a mere coincidence. Our Creator has made such references because He wants us to recognise Him as our Maker and Creator.

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In the name of God, The Most Kind, the Most Merciful

# Scientific Miracles From The Quran

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### Why does God reveal miracles?

The existence of an intricately well organised creation around us points to the fact that there must be a Creator who has created it – the creation is hence a miracle in itself because it's so amazing. This is why God states in the Quran:

**“Indeed, in the creation of the heavens and the earth, and the alternation of the night and the day are signs for those who understand.” (Quran 3:190)**

Yet despite this, in Islam, God sent prophets to inform, remind and convey to us the message of His existence as the sole Creator and Sustainer of everything around us.

These prophets include Abraham, Moses, Jesus, John (the Baptist) and Muhammad (PBUH) who were all sent by the same God. Some of these prophets were given miracles such as Moses when the sea split apart or Jesus through his miraculous virgin birth (PBUH).



The Quran itself is a miracle for Muslims because we believe with certainty that it is the book and exact words of God.

However, to further encourage people to recognise Him, God has made some scientific 'miracle' references, which would've been impossible for the prophet Muhammad (PBUH) and his companions (RA) living in a desert to have known 1400 years ago. God refers to this in the Quran when he states:

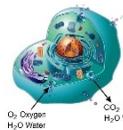
**“We will show them Our Signs in the universe, and in their own selves, until it becomes clear to them that this (the Quran) is the truth.” (Quran 41:53)**

### What miracles can be found in the Quran?

#### Did you know that the Quran explains how life was formed?

God states in the Quran:

**“And We (God) made every living thing from water. Will they not then believe?” (Quran 21:30)**



It is a well known scientific fact that every organism is not only composed of water to some extent but also needs water to survive.

Organisms are composed of living cells and most of the cytoplasm (basic cell material) of a standard animal cell is described as water. However, this bond between water and life was only discovered in the last few centuries after the invention of the microscope (Alberts et al 2010).

#### Did you know that the Quran mentions the Big Bang and the expansion of the universe?

God states in the Quran:

**“Do those who don't believe understand that the heavens and earth were together, and we split them apart?” (Quran 21:30)**



And:

**“And the heaven We (God) constructed with strength, and indeed, We (God) are (its) expander.” (Quran: 51:47)**



Georges Lamaitre is known as the founder of the Big Bang theory. Lamaitre argued that the universe was formed with the splitting of particles which then began to expand and continue to do so to this day.

This theory was supported by Edwin Hubble who used the 100 inch Hooker telescope to observe celestial bodies in our galaxy receding away from us.

Since then, advance telescopes and the increase in the understanding of particles have confirmed these theories and the verses in the Quran – the universe did begin with a big bang and is expanding (Hawking 1995).

#### Did you know that the Quran describes the atmosphere in the sky?

In the Quran, God calls our attention to a very interesting attribute of the sky:

**“We made the sky a preserved and protected roof, yet still they turn away from Our Signs.” (Quran 21:32)**

This attribute of the sky has been proven by scientific research carried out in the 20th century and is now described as the atmosphere.

The atmosphere surrounds the earth and serves crucial functions for the continuity of life. It is now known to protect us from meteors, harmful rays and extreme temperatures. By destroying many meteors big and small as they enter the atmosphere, it prevents them from falling to earth and harming living things (Moran 1996).

Furthermore, the atmosphere filters the light rays coming from space that are harmful to living things. Interestingly, the atmosphere only lets harmless and useful rays - visible light, near ultraviolet light, and radio waves pass through. All of this radiation is vital for life (Hawking 1995).

Most people looking at the sky do not think about the protective aspect of the atmosphere. Yet, this atmosphere is protective because it allows living organisms such as us to survive in safety.

Layers of the Atmosphere

