

# THE ATMOSPHERE

**WITH THE NAME OF ALLAH, MOST GRACIOUS, MOST MERCIFUL.**

The earth's atmosphere is made up of seven gaseous layers that separate the earth from space.

This is mentioned in Sura al-Nabaa (ch. 78): verse 12:-

"And (have We not) built over you the seven firmaments?"

The scientific community is aware of the following five layers:-

- 1) Troposphere.
- 2) Stratosphere (ozone layer).
- 3) Ionosphere.
- 4) Thermosphere.
- 5) Exosphere.

Since these layers are gaseous they are not as clearly defined as those are in the solid earth.

The layers interact with one another, and with the sun's radiation that passes through them, as a result, they undergo constant chemical and physical change.

Allah (S.W.T.) has structured the atmosphere in such a manner that it forms a type of protective roof against exceedingly dangerous waves and particles emitted by the sun and other parts of our galaxy.

Solar flares exhibiting energy of up to a thousand million atomic bombs, together with other radioactive particles like cosmic rays, solar protons and neutrons bombard our planet continuously.

Concerning these solar flares, the Holy Quraan in Sura al-Anbiyaa (ch. 21): verse 32 makes reference to the protection of the earth by means of the atmosphere:-

"And We have made the heavens (skies) as a canopy (or roof) well guarded: yet do they turn away from the signs which these things (point to)!"

The atmosphere is inflated or raised (i.e., pushed upward or outward) by means of the earth's magnetic field.

This description is found in the Holy Quraan:-

“What! Are you the more difficult to create or the heaven (above)? (Allah) has constructed it: on high has He raised its canopy, and he has given it order and perfection.”

--- Sura Nazi'at (ch. 79): verses 27 - 28

And

“And (do they not observe) the sky how it is raised high?”

--- Sura al-Ghashiya (ch. 88): verse 18

The magnetic field helps deflect most of the dangerous particles striking the earth's atmosphere towards the poles. It is due to this deflection that the sky at the poles appears to be on fire at times.

Considering the earth's hostile external environment, we can only conclude that the structure of the atmosphere clearly points to our Rabb's grace and mercy.

Refer: Sura al-Baqara (ch. 2): verse 22:-

“(Adore Allah) Who has made the earth your couch, and the skies (heavens) your canopy; and sent down rain from the skies; and brought forth therewith fruits for your sustenance; then set not up rivals unto Allah when you know (the truth).”

Worksheet

- 1) Our Rabb has made the gaseous layers to protect the earth from solar flares and other radioactive particles. From this, can we learn a lesson of self-defence against the fiery violence of our enemies? Quote two verses from Al-Quraan to support your answer.

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