

CLASS NOTES

Class: VI

Topic: The Earth in the Solar System

Subject: SSC

Textbook Questions

Answer the following Questions briefly:-

Q1 How does a planet differ from a star?

Planet	Star
A) The planets receives heat and light from the Sun	The Stars have their own heat and light.
B) The planets move around the Sun	The Stars move on the orbits around the centre of the galaxy.
C) There are eight planets Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune.	There is only one Star in our Solar System. Example :- Sun.

Q2 What is meant by the 'Solar System'?

Answer :- Solar means related to the Sun. The Sun, eight planets, asteroids, meteoroids, Satellites from the Solar System.

Q3 Name all the Planets according to their distance from the Sun?

Answer :- Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune.

Q4 Why is the Earth called a unique Planet?

Answer :- The Earth is called a unique planet because of the following reasons:-

- 1) The favourable conditions to support life are probably found only on the Earth.
- 2) The Earth is neither too hot nor too cold.
- 3) Water and air which are very essential for our survival are found on the Earth.
- 4) The air on the Earth has life-supporting gases, such as oxygen.

Q5 Why do we see only one side of the moon always?

Answer :- 1) The moon revolves around the Earth in about 27 days.
2) It takes exactly the same time to complete one spin.

Q6 What is the Universe?

Answer :- A Galaxy is a huge system of billions of stars, planets, satellite, asteroids, meteoroids as well as the clouds of dust and gases. The Universe comprises of millions of such galaxies and all these celestial bodies.

Additional Questions

Q1 What is a Satellite? Differentiate between two types of satellites.

Answer :- A satellite is a celestial body which moves around the planets. Satellites are of two types:-

- 1 Natural Satellite
- 2 Artificial Satellite

Natural Satellite	Artificial Satellite
1) Celestial bodies that moves around the planet is called Natural Satellite	It is an artificial body designed by scientists to gather information.
2) It is placed naturally and revolves in the same way as the planet moves around the sun.	It is carried by a rocket and placed in the orbit of a planet.
3) Example:- Moon	Example:- EDUSAT, INSAT

Q2 Difference between Asteroids and Meteoroids.

Answer:- The difference between asteroids and meteoroids are as follows:-

Asteroids	Meteoroids
1) Asteroids are tiny celestial bodies which moves around the Sun.	Meteoroids are the small pieces of Rocks which moves around the Sun.
2) Asteroids are found between the orbit of Mars and Jupiter.	Sometimes meteoroids come near the Earth and tend to drop upon it.
3) According to the Scientists, the asteroids are the part of a planet which exploded several years back.	Sometimes, a meteor falls on the Earth without being completely burnt and creates a hollow.

