

The Earth and the Solar System

Q. 1. What does the solar system explain?

Answer

The solar system consists of the Sun and everything that orbits, or travels around, the Sun. This includes the eight planets and their moons, dwarf planets, and countless asteroids, comets, and other small, icy objects.

Q. 2. Write the difference between Stars and Planets?

Difference between stars and planets :

Stars	Planets
1. Stars have emit light of their own.	1. Planets do not emit light.
2. The relative distance between stars remains constant.	2. The relative distance between the planets changes with time.
3. Stars twinkle.	3. Planets do not twinkle.
4. Their number is very large.	4. Their number in the solar system is only eight.

Q.3 Why do we always see only one side of the Moon?

Answer:

- The Moon revolves around the Earth in nearly 27 days.
- It also takes exactly 27 days to rotate on its axis.
- Thus, both its movements take the same time. That's why we always see only one side of the Moon.

Q.4 HOTS

How would the Earth be affected if it is taken: (a) too nearer or (b) too far from the Sun?

Answer:

(a) If the Earth is taken too nearer the Sun, its temperature will grow higher since it will get a greater amount of heat. It will become unfit for habitation as it would change into a hot desert.

(b) If the Earth is taken too far from the Sun its temperature will grow lower since it will get a lesser amount of heat. It would become an ice bound desert unfit for human habitation

Q.5 Draw or create solar systems .

<https://youtu.be/TMU4HjElW04?feature=shared>