

# The Earth In The Solar System.

1. (a) How does a planet differ from a star?

Ans: The difference between a planet and star is given below:-

Planet	Star
1. Planets do not have their own heat and light.	Stars have their own heat and light.
2. They lit by the heat and light of the stars.	The are very big and hot and made up of gases.
3. Example- Mars, Earth, Mercury	Ex - Sun.

(b) What is meant by the 'Solar System'?

Ans: The sun, eight planet, satellites and some other celestial bodies known as meteoroids and asteroids form the solar system.

(c) Name all the planets according to their distance from the sun.



Ans. The planet arranged as per their distance from the sun are - Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune.

(d) Why is the Earth called a unique planet?

Ans. The earth is neither too hot nor too cold. It has water and air, which are very essential for our survival. It has favourable condition to support a life so earth is called a unique planet.

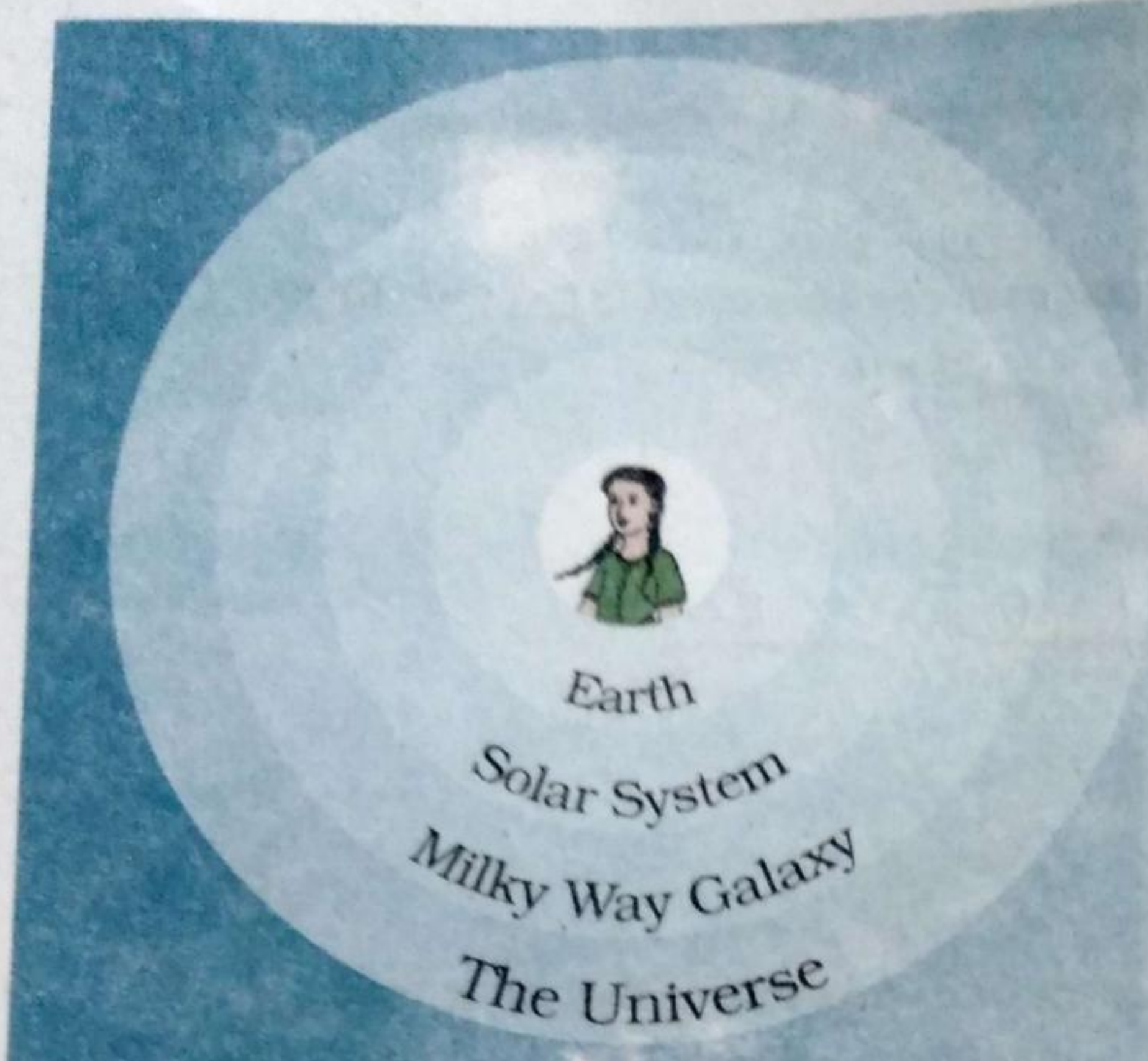
(e) Why do we see only one side of the moon easily?

Ans. We always see only one side of the moon because the moon moves around the earth in about 27 days and it takes exactly the same time to complete one spin.



(f) What is the universe?  
Ans. million of galaxies together form the universe. A galaxy is a huge system of billions of stars and clouds of dust and gases.





Can you relate yourself with the universe now? You are on the earth and the earth is a part of the solar system. Our solar system is a part of the Milky Way galaxy which is part of the universe. Think about the universe, and the fact that it contains millions of such galaxies. How do you fit in the picture?

**EXERCISES**

**1. Answer the following questions briefly.**

- (a) How does a planet differ from a star?
- (b) What is meant by the 'Solar System'?
- (c) Name all the planets according to their distance from the sun.
- (d) Why is the Earth called a unique planet?
- (e) Why do we see only one side of the moon always?
- (f) What is the Universe ?

**2. Tick the correct answer.**

- (a) The planet known as the "Earth's Twin" is
  - (i) Jupiter
  - (ii) Saturn
  - (iii)  Venus
- (b) Which is the third nearest planet to the sun ?
  - (i) Venus
  - (ii)  Earth
  - (iii) Mercury
- (c) All the planets move around the sun in a
  - (i) Circular path
  - (ii) Rectangular path
  - (iii)  Elongated path
- (d) The Pole Star indicates the direction to the
  - (i) South
  - (ii)  North
  - (iii) East



- (e) Asteroids are found between the orbits of  
(i) Saturn and Jupiter    (ii) Mars and Jupiter    (iii) The Earth and Mars

**3. Fill in the blanks.**

- (a) A group of Stars forming various patterns is called a constellation.  
(b) A huge system of stars is called galaxy.  
(c) Moon is the closest celestial body to our earth.  
(d) Earth is the third nearest planet to the sun.  
(e) Planets do not have their own heat and light.

**THINGS TO DO**

