



## Lesson1 The Earth in the Solar System

### **SOLUTIONS: -**

#### **Exercises**

**1. Answer each question in a word or a sentence:**

**a) Which is the nearest star to the earth ?**

Ans. The sun is the nearest star to the earth.

**b) What is constellation ?**

Ans. A group of stars that form a definite pattern is called constellation.

**c) What is meant by orbit ?**

Ans. The path in which planets move around the sun is called orbit.

**2. Answer the following questions in about 30 words each :**

**a) What are celestial bodies ?**

Ans. The sun, the moon, the stars and all objects in the sky are called heavenly or celestial bodies. These celestial bodies constitute the universe which is infinite.

**b) How does a planet differ from a star ?**

Ans. A planet does not have light of its own. It is smaller in size compare to a star and it revolves round the sun. Whereas a star has light of its own. It is bigger in size than a planet and it does not revolve round the sun.

**c) What are Asteroids ?**

Ans. Between the orbits of Mars and Jupiter, there are numerous small bodies which revolve round the sun. They are thought to be the part of some exploded planets. They are called Asteroids.

**d) Why do we always see the same side of the moon ?**

Ans. The moon spins on its own axis and it also revolves round the earth. Every time it circles the earth once, it spins once on its axis. Thus, it takes almost the same time to complete both the movements because of this, we always see the same side of the moon.

**3. Choose the correct answer :**

**i) The third nearest planet to the sun is**

- A) Mars      B) Venus      C) Mercury      **D) Earth**

**Ans: D) Earth**

**ii) Which of the following has light of its own ?**

- A) Planet      **B) Star**      C) Moon      D) Meteorite

**Ans: B) Star**

**iii) Which one of the following is a satellite ?**

- A) Sun      **B) Moon**      C) Earth      D) Jupiter

**Ans: B) Moon**

**4. Fill in the blanks :**

- a) The pole star or Polaris indicates the North  
b) A galaxy is huge system of stars  
c) The earth is also called the Blue planet.  
d) The distance of the earth from the sun is 150 million kms.
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