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Chapter-10, Lecture-1  
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Chapter-10 Lecture-1

## **The Solar System**

### **THE EARTH**

The Earth is a planet.

Characteristics:

- i. The shape of the earth is sphere.
- ii. Earth does not have its own light.
- iii. Astronauts can see the Earth from space because the Sun shines on the Earth.
- iv. The Earth is slightly tilted and spins about its axis all the time.

How the sun sets in the west in every evening?

The Earth spins round and round. The Earth spins towards the east. This is why, every morning, we see the sun in the east. In the evening the sun sets in the west.

### **THE SUN**

The sun is a star. It is so bright that we cannot see the other stars in the sky in the daytime. It is many times bigger than the Earth. It looks very small from the Earth because it is very far away.

Characteristics:

- i. The sun is round like a ball.
- ii. It is made up of hot, burning gases.
- iii. The sun has its own light.

Day:

The side of the Earth facing the sun is known as day.

Night:

The side away from the sun is in shadow and it is called night.

- The Earth spins around its own axis in twenty-four hours.
- The Earth takes a year to travel once around the sun.
- Orbit is the path followed by an object around a planet, star etc.

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### Worksheet-1

1. Fill in the blanks with appropriate words:

- a) Planet
- b) Sphere
- c) East
- d) Burning gases
- e) Star

2. Write true or false for following statement:

- a) False
- b) True
- c) False
- d) True
- e) True

3. Find which statements are suitable for Earth?

Answer

- a) It is round like a ball.
- b) The Earth is slightly tilted and spins about its axis all the time.
- c) It spins around its own axis in twenty-four hours.
- d) It takes a year to travel once around the sun.

4. Write the following question answer:

- a) The side of the Earth facing the sun is known as day.
- b) The side away from the sun is in shadow and it is called night
- c) Orbit is the path followed by an object around a planet, star etc.
- d) The Earth spins around its own axis in twenty-four hours.