

C) Answers the following questions:

1) How many different types of motions does the Earth have?
Ans) The Earth have two types of motions - Rotation and Revolution.

Rotation - Motion of the Earth around its axis is called Rotation.

Revolution - Motion of the Earth around the Sun on a fixed orbit is called Revolution.

2) What is meant by 'rotation' of the earth? What is the effect of rotation?

Ans) When the Earth spins about its axis is called rotation of

the Earth. This rotation causes day and night.

3) Why is one day and one night on the Earth of 24 hours?

Ans) The Earth completes one rotation around its axis in 24 hours. That is why one day and one night on the Earth is of 24 hours.

4) In the month of June it is summer in the Northern Hemisphere and winter in the Southern Hemisphere. Why?

Ans) In the month of June it is Summer in the Northern Hemisphere and winter in the Southern Hemisphere because the North Pole is tilted towards the Sun, the South Pole is tilted away from Sun.

5) Why do the seasons repeat
year after year?

Ans) The seasons repeat year
after year as the year
revolutionary behaviour of
the Earth continues as well
as the fact that the
Earth is permanently
tilted on its axis; the
earth goes through the
same behaviour each year.