

ch-3 Movements of the Earth

Date _____

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Fill in the blanks.

The fixed path along which the Earth revolves around the sun is called the its orbit.

1. The part of the Earth facing away from the sun has night.
2. The imaginary line along which the Earth rotates is called its axis.
3. Day and night on the Earth are caused by the rotation of Earth.
4. In the month of June the northern pole is tilted towards the sun.

(B) Write True or false. (T, F)

1. The Earth takes 24 hours to revolve around the sun, False.
2. The hemisphere of the Earth that is tilted away from the sun gets longer.

hours of sunlight, False

3. When the north pole is tilted towards the sun, the Northern Hemisphere has summer. True

4. When the Northern Hemisphere has day, the southern Hemisphere has night. True

(c) Answer the following questions.

1. How many different types of motions does the Earth have?

A) The Earth has two types of motions - Rotation & Revolution.

Rotation - Movement of the Earth around its axis is called rotation.

Revolution → Movement of the Earth around the Sun along a fixed orbit is called revolution.

2. What is meant by rotation of the Earth? What is the effect of rotation?

A→ When the Earth spins about its axis is called rotation of the Earth.
This rotation of the Earth causes day and night.

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

A→ The earth completes one rotation around its axis in 24 hours that why one day and one night in 24 hours.

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

A→ 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~~ tilted away from the sun.

Q. why do the seasons repeat year after year?

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