

Ch3: Movements of the Earth

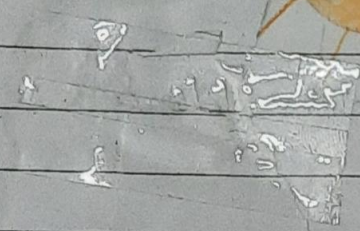
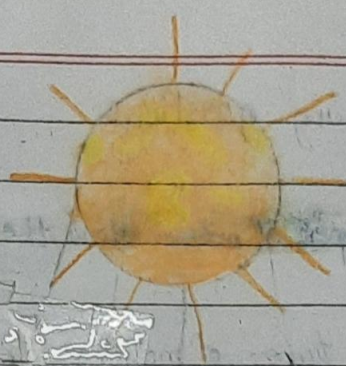
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Difficult Words

- 1 axis : imaginary line along which something spins.
- 2 orbit : fixed path along which a planet (such as Earth) rotates around a star (such as the Sun)
- 3 Tilted : not ~~is~~ straight ; slanting
- 4 hemisphere : half the Earth, below or above the Equator

Day and Night Diagram



Answer the following questions.

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

Ans The Earth have 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?

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

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

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

(H/W) Q. The Earth is rotating, why do we not feel the movement?

Ans Earth moves very fast. It spins (rotates) at a speed of about 1,000 miles (1600 km) per hour and orbits around the sun at a speed of about 67,000 miles (107,000 km) per hour. We do not ~~feel~~ ^{feel} any of this motion because these speeds are ~~constant~~ ^{constant}.

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 the sun.

5. Why do the seasons repeat year after year?

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

H/W Learn the question and answer of chapter - 3