

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Motion of the Earth

Q1. Why do seasons occur?

Ans. \_\_\_\_\_  
\_\_\_\_\_

Q2. Why days and nights are not of equal length?

Ans. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Q3. Differentiate between rotation and revolution of earth.

Ans.

Rotation	Revolution
1.	1.
2.	2.

Q4. Why do the poles experience about six months of day and night?

Ans. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Motion of the Earth

Q1. Why do seasons occur?

Ans. The seasons are caused by the tilt of the Earth's rotational axis away or toward the sun as it travels around the sun in its orbit.

Q2. Why days and nights are not of equal length?

Ans. Days and nights are not equal length because of the inclined axis of the earth. As earth is tilted at an angle of  $23.4^\circ$ , days are longer in summers than in winters.

Q3. Differentiate between rotation and revolution of earth.

Ans.	Rotation	Revolution
	1. Rotation is the movement of the earth on its axis.	1. Revolution is the movement of the earth around the sun in a fixed path or orbit.
	2. It causes day and night.	2. It causes seasons.

Q4. Why do the poles experience about six months of day and night?

Ans. The Poles experience about six months of day and six months of night because of the tilt of the Earth on its axis. When the North Pole is tilted towards the Sun, it experiences continuous daylight for six months and when the South Pole is away from the sun, it experiences continuous darkness for six months.