

Motion of the Earth

1. The Earth spins (rotates), west to east on its axis once in 24 hours approximately.
2. The Earth's axis is not vertical. It makes an angle of $23^{\circ} 30'$ with the vertical or $66^{\circ} 30'$ with the plane of the Earth's orbit.
3. The Earth's axis always remains pointed in the same direction (towards the Pole Star) as the Earth moves around the Sun. The tilt of the Earth's axis is known as the inclination of the Earth's axis.

