

Chapter- 3 MOTIONS OF THE EARTH

- Rotation is the movement of the earth on its axis.

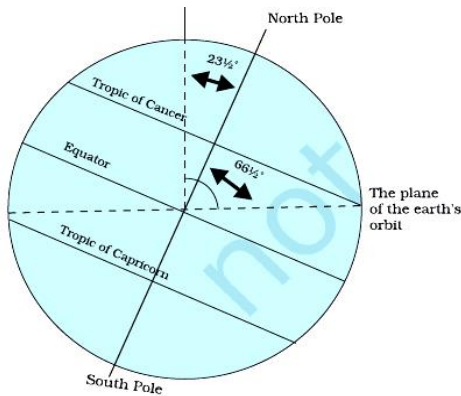


Figure 3.1 : Inclination of the Earth's axis and the orbital plane

- The movement of the earth around the sun in a fixed path or orbit is called Revolution.
- The axis of the earth which is an imaginary line, makes an angle of $66\frac{1}{2}^\circ$ with its orbital plane.
- The circle that divides the day from night on the globe is called the circle of illumination.

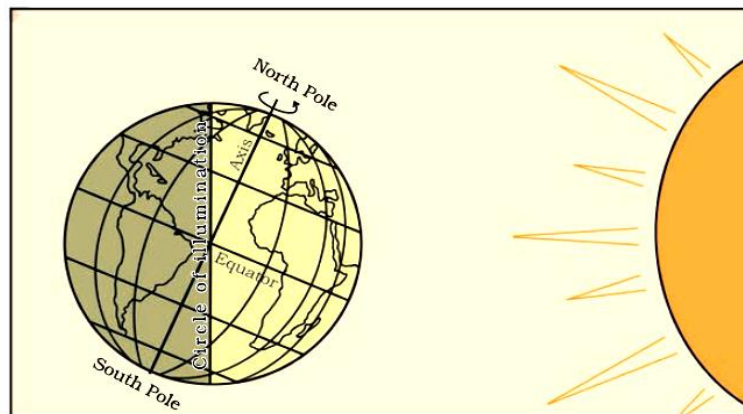


Figure 3.2 : Day and Night on the Earth due to rotation

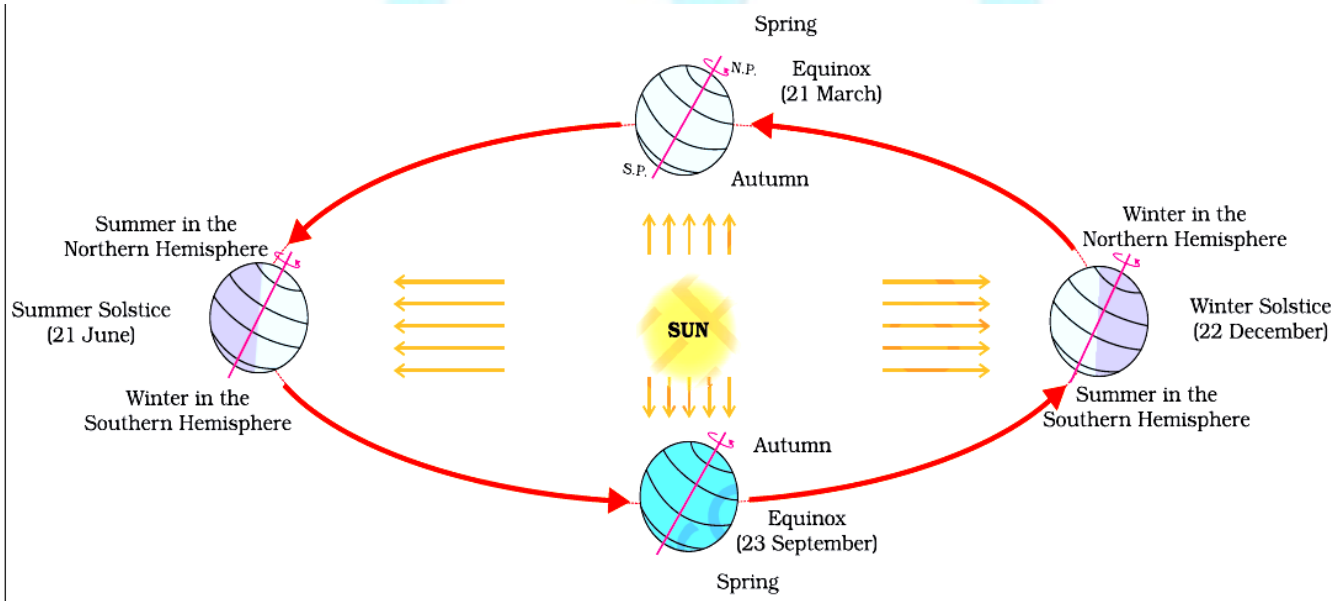


Figure 3.3 : Revolution of the Earth and Seasons