

Subject:- Social Studies

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Chapter 4 Motions of the Earth

Our solar system is a tiny part of a gigantic spiral galaxy, the Milky Way! This is made up of billion of stars which look as if they have been sprinkled thickly into the night sky.

The solar system consist of the sun at the centre and eight major planets, their satellites and many minor planets orbiting around the sun. The eight planets in order of their distance from the Sun are mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune.

Earth is the only planet in solar system which has life. The movement of the Earth is of two types. Rotation is the movement of the Earth on its own axis. This movement is from west to east direction. The Earth takes 24 hours to complete one rotation. This is responsible for formation of days and nights.

Revolution is the movement of the Earth in a fixed orbit around the Sun. It takes 365 days 6 hours to complete one revolution. The tilted axis of the Earth along with revolution causes change in season in northern and southern hemispheres of the Earth. So when it is winter in northern hemisphere, it is summer in southern hemisphere.