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Chapter 6

Our universe

It is a very big space and its distances are calculated in light years.

6.1 Stars

Stars are hot glowing ball of fair; they produce their own light all the time .But, during the day due to the bright light of the sun, the light of the stars is dimmed out.

6.2 planets

Stars are not the only bodies seen in the sky at night. There are a few other bodies, which give off light continuously but do not twinkle. Planets move around the sun in its own path called orbit. Orbits are kind of circular paths with the sun as their center. The orbit of different planets do not cross each other.

6.3 Moons

The moons are bodies that move around the planets. The moon do not have their own light but reflect the light from the sun .the light, which is reflected is called the moon light.

6.4 Earth

The earth is covered by a layer of hard rocks. This is called the earth crust. Below the crust is basalt, then a mixture of rocks and metals below and below that are metals in the molten form. The molten metals and gases lying in the center of the earth expand due to the great heat and they exert great pressure from inside to force themselves out of the earth's crust.

6.5 the movement of the earth

The earth is moving all the time or we can say that the earth always spins on its axis. The earth spins on its axis from west to east.

6.7 Seasons

When the sun's rays fall directly on the tropic of cancer, the northern hemisphere has summer, while the southern hemisphere has winter. Similarly, when the sun's ray fall directly on the tropic of Capricorn, it is summer in the southern hemisphere and winter in the northern hemisphere.