

## 20. In the World of Stars

- **The Stars**

- All stars emit their own light. They appear small because of large distances from the earth.
- The sun appears bigger because it is nearer than any other stars in the space.
- In the day time, stars are not visible because of bright sunlight.
- Stars appear to move from east to west because of earth's rotation from west to east.
- Pole star does not appear to move because it is very nearly situated on earth's rotational axis over the North pole.
- There are various types of stars - sun-like, red giants, super nova, twin, and variable stars.
- The imaginary line where it seems that sky and the ground are meeting with each other is known as the **horizon**.
- An imaginary sphere is formed and all the stars and planets appear moving in it. This sphere is known as **celestial sphere**.
- Celestial sphere consists of zenith, nadir, celestial poles, meridian, celestial equator and

- **Constellations**

Groups of stars of particular shapes

