

Chapter 17

STARS AND EVOLUTION

Moon:

- a) The moon is the only natural satellite of the earth.
- b) This is our nearest neighbour in the universe.
- c) The moon is at a distance of about 4,00,000 km from earth. In terms of size, the earth is approximately 100 times bigger than the moon.
- d) The moon does not appear similar on different days as its shape changes every day. The different shapes of the moon are called the phases of moon.
The duration between full moon to full moon is 29.5 days.
- e) Moon has no atmosphere, no water.
- f) Its surface covered by pits, mountains and valleys.

Star:

- a) A star is a huge spinning celestial body.
- b) Stars produce heat and light because they are full of very hot gases.
- c) The sun is the nearest star from us.
- d) It is at a distance of about 150,000,000 km from us.

- e) The cause of heat and light in a star is due to nuclear fusion process.
- f) Since the sun is closest to earth, it appears bigger and brighter.
- g) The next nearest stars are Proxima centauri and Alpha centauri.

