



BAL BHARATI PUBLIC SCHOOL, PITAMPURA
ASSIGNMENT CLASS 8
STARS AND THE SOLAR SYSTEM

Q1. Define the following terms:-

- a. Orbit**
- b. Satellite**
- c. Constellation**

Q2. Explain, why can we see full moon on a full moon day while it is not visible on a new moon day?

Q3. We never see the back side of moon from the earth , Why?

Q4. Explain, with the help of diagram, how is moon visible to us when it does not have light of its own?

Q5. Can we hear any sound on moon? Comment.

Q6. Give reasons for the following:-

- (a) Stars appear to us as points objects**
- (b) Stars are not present in the day time also but we are not able to see them.**
- (c) Earth is called a unique planet.**
- (d) Stars appear to move from east to west.**

Q7. In which part of the sky can you find Venus if it is visible as a morning star?

Q8. What is pole star? Where does it lie?

Q9. How can you locate the star Sirius with the help of Orion Constellation?

Q10. A star is 7 light years away from earth. What do you mean by the statement? Also calculate the distance in km.

Q11. Distinguish between

- (a) Stars and planets**
- (b) Meteors and Meteorites**

- (c) Period of rotation and period of revolution
- (d) Asteroids and comets

Q12. How does earth look like when observed from space?

Q13. What causes the change of season on earth?

Q14. What makes Saturn unique in the solar system?

Q15. Name the following:-

- a) Red planet of our solar system
- b) Planet which has a large number of satellites
- c) Planet which is the least dense among all the planets
- d) Brightest planet in the Solar System
- e) The constellation which looks like the letter W or M
- f) Smallest planet of our solar system
- g) Planet which shows phases like moon.