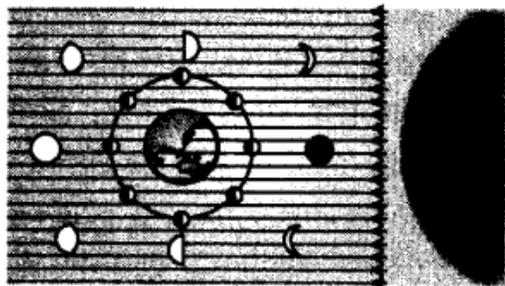


Board – CBSE

Class – 8th

Topic – Stars and solar system

1. What is a solar system? Explain characteristics of any two planets in the solar system
2. Explain the phases of the Moon.
3. Why does the pole star appears to be stationary from the Earth?
4. Write a short note on Ursa Major
5. Look at the figure carefully and answer the following questions:



- (a) In which part of the sky would you see the full moon in the evening?
 - (b) In which part of the sky would you see the crescent moon in the evening?
6. Why does the moon change its shape daily?
 7. Paheli saw the moon through a glass window at 8:00 pm. She marked the position of the moon on the glass pane. She got up at 4 am in the morning. Will the moon be visible at the same position?
 8. Meteors are not visible during the day time. Explain the reason.
 9. A star is 10 light years away from the earth. Suppose it brightens up suddenly today. After how much time shall we see this change?
 10. John saw full moon on a particular day. After how many days, he will be able to see the full moon again?
 11. Paheli and Boojho observe a bright object in the night sky which was not twinkling. Paheli says, it is a star and Boojho says it is a planet. Who is correct?
 12. Explain why we always see the same side of the moon.
 13. Demonstrate an activity to show that pole star can be located with the help of Ursa Major.
 14. Sketch a simple diagram of positions of the moon in its orbit and its corresponding phases.
 15. What are asteroids, meteors and meteorites?