

Short Answer Questions

Q. 1. Meteors are not visible during the daytime. Explain the reason.

[NCERT Exemplar]

Ans. The brightness of a meteor is extremely small compared to that of the sun, therefore, it is not seen during day time.

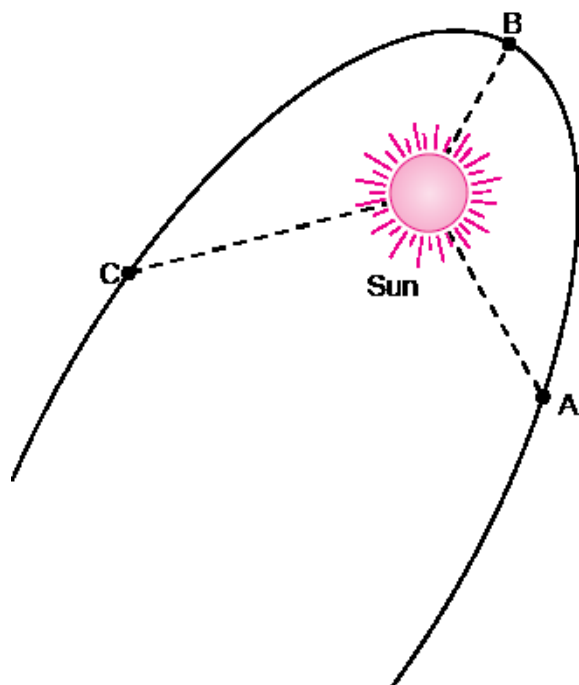
Q. 2. Why does the moon change its shape daily? [NCERT Exemplar]

Ans. It changes its shape because we see only that part of the moon from which the light of the sun is reflected towards us.

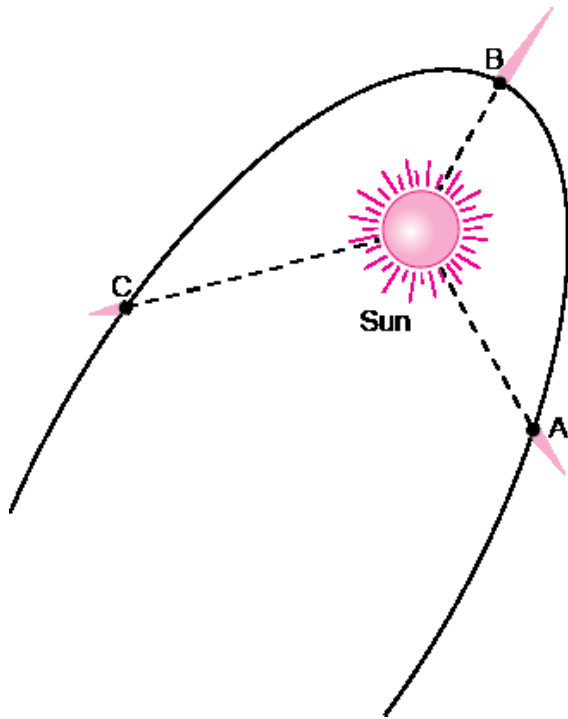
Q. 3. Paheli saw the moon through a glass window at 8:00 p.m. She marked the position of the-moon on the glass pane. She got up at 4 a.m. in the morning. Will the moon be visible at the same position? [NCERT Exemplar]

Ans. No, because the position of the moon keeps changing during the night.

Q. 4. The given figure shows comets without their tail. Show the tails of the comets at position A, B, and C. In which position will the tail be longest?



Ans.

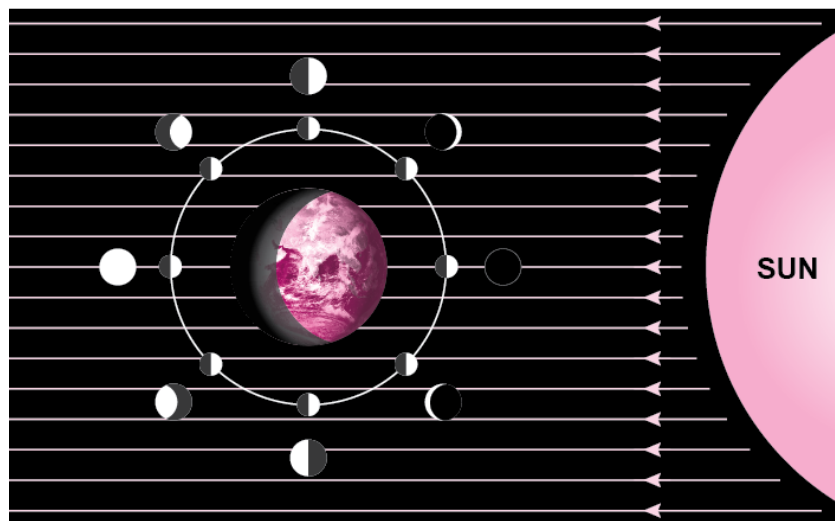


The tail will be longest at position B.

Q. 5. Explain why we always see the same side of moon. [NCERT Exemplar]

Ans. This is because the period of rotation of the moon on its axis is equal to the period of its revolution round the earth.

Q. 6. Look at above figure carefully and answer the following questions: [NCERT Exemplar]



- (i) In which part of the sky would you see the full moon in the evening?
- (ii) In which part of the sky would you see the crescent moon in the evening?

Ans. (i) In the eastern part of the sky.

(ii) In the western part of the sky.