

BEYOND EARTH

I Higher Order Thinking :

- 1) Why do planets not collide with each other during their journey around the Sun?

Ans: Planets move in fixed paths called orbits around the sun. Since each planet has its own separate orbit, they do not collide.

- 2) Moon revolves around the Earth. Is it correct to classify the moon as a planet? Give Reason.

Ans: No, the Moon is not a planet because it does not revolve around the Sun. It revolves around the Earth, so it is called a satellite.

- 3) A star is 100 light years away from the Earth. If it explodes today, after how much time will this explosion be visible on Earth?

Ans: The explosion will be visible after 100 years because light takes one year to travel one light year.