

Name: _____ Date: _____

Stars and Solar System

Q1. What are outer planets?

Ans. _____

Q2. If the Moon does not have its own light, how are we able to see the moon?

Ans. _____

Q3. Do all the stars in the sky move? Explain.

Ans. _____

Q4. What are comets?

Ans. _____

Stars and Solar System

Q1. What are outer planets?

Ans. The planets outside the orbit of Mars, namely Jupiter, Saturn, Uranus and Neptune are much farther off than the inner planets. They are called the outer planets. They have a ring system around them. The outer planets have large number of moons.

Q2. If the Moon does not have its own light, how are we able to see the moon?

Ans. The moon does not produce its own light, whereas the Sun and other stars do. We see the moon because the sunlight falling on it gets reflected towards us. We, therefore, see only that part of the moon, from which the light of the Sun is reflected towards us.

Q3. Do all the stars in the sky move? Explain.

Ans. No, all the stars in the sky does not move. The earth rotates on its axis from west to east. Therefore, all the stars in the sky seem to move from east to west. The pole star appears to be stationary from the Earth, because it is situated close to the direction of the axis of rotation of the Earth.

Q4. What are comets?

Ans. Comets are also members of our solar system. They revolve around the Sun in highly elliptical orbits. However, their period of revolution round the Sun is usually very long. A Comet appears generally as a bright head with a long tail. The length of the tail grows in size as it approaches the sun. The tail of a comet is always directed away from the sun.