

Name: _____ Date: _____

Stars and Solar System

Q1. What are asteroids? Where are most of them located?

Ans. _____

Q2. How do the planets stay in orbit around the sun?

Ans. _____

Q3. How long does it take for a full moon to change to new moon?

Ans. _____

Q4. Why Pluto is not considered as a planet anymore?

Ans. _____

Stars and Solar System

Q1. What are asteroids? Where are most of them located?

Ans. There is a large gap in between the orbits of Mars and Jupiter. This gap is occupied by a large number of small objects that revolve around the Sun. These are called asteroids. Asteroids can only be seen through large telescopes.

Q2. How do the planets stay in orbit around the sun?

Ans. The Sun and the celestial bodies which revolve around it form the solar system. It consists of large number of bodies such as planets, comets, asteroids and meteors. The gravitational attraction between the Sun and these objects keeps them revolving around it.

Q3. How long does it take for a full moon to change to new moon?

Ans. The day on which the whole disc of the moon is visible is known as the full moon day. Thereafter every night the size of the bright part of the moon appears to become thinner and thinner. On the fifteenth day the moon is not visible. This day is known as the new moon day.

Q4. Why Pluto is not considered as a planet anymore?

Ans. Till 2006 there were nine planets in the solar system. Pluto was the farthest planet from the Sun. In 2006, the International Astronomical Union (IAU) adopted a new definition of a planet. Pluto does not fit this definition. It is no longer a planet of the solar system.