

HOTS (Higher Order Thinking Skills)

Q.1. How are the planets divided?

Ans. The planets have been divided as follows:

- i. **Inner Planets:** There are four planets namely Mercury, Venus, Earth and Mars. They are dense and have rocky composition. Mercury and Venus do not have any satellite or moons whereas Earth has one and Mars has two moons.
- ii. **Outer Planets:** The outer planets are Jupiter, Saturn, Uranus and Neptune. These are very big and giant in size as compared to the inner planets. They are lighter and less dense as they are made up of gases and liquids.

Q.2. Write a short note on Asteroids.

Ans.

- i. Asteroids are planet-like bodies revolving round the sun between the orbits of Mars and Jupiter.
- ii. These are made up of rocks and metal pieces.
- iii. They are also called Planetoids or Inferior Planets or Minor Planets.
- iv. There are millions of asteroids scattered in the orbits of Mars and Jupiter and are far away from the earth hence not visible through naked eyes.
- v. The largest asteroids are known as "Ceres".