MIND MAP : LEARNING MADE SIMPLE CHAPTER-13

The Earth in The Solar System

- **Asteroids**
  - Numerous tiny bodies that move around the sun
  - Mostly found between the orbits of mars and Jupiter
  - Believed to be parts of a planet many years back

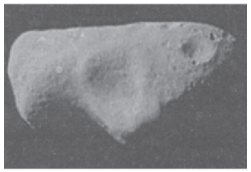
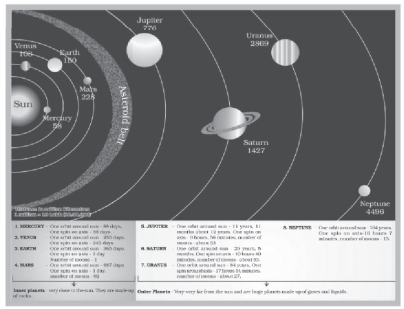


Figure 1.5 : Asteroid

- **Milky way Galaxy**
  - Cluster of millions of stars.
- **Meteoroids**
  - Small pious of rocks that move around the sun.
  - Sometimes they come near the earth and tend to drop upon it.
- **Celestial bodies**
  - The sun, the moon and all those objects shining in the night sky.
- **Stars**
  - Big and hot celestial bodies made up of gases
  - They have their own heat and light
- **The moon**
  - Natural satellite of the earth
  - It's diameter is one-quarter
  - 3, 84, 400 km away from earth
  - Moves around the earth in 27 days

Figure 1.3 : The moon as seen from the space

- **Poornima**
  - Full moon night.
- **Amavasys**
  - New moon night.
- **Constellation**
  - Various patterns formed by different groups of stars.
- **Pole star**
  - The north star and always remain in the same position.
- **The solar system**
  - Comprises of
    - Sun
    - Eight planets
    - Satellites and other celestial bodies
    - Asteroids and meteoroids
  - It is called the Lower family & the sun in it head
- **The earth**
  - Geoid
    - The shape of the earth which is slightly flattened at the poles
  - Fifth largest planet
  - Also known as blue planet
  - Life supporting conditions
- **Planets**
  - Eight planets
    - Mercury
    - Venus
    - Earth
    - Mars
    - Jupiter
    - Saturn
    - Varmus
    - Neptune
  - Orbits
    - The fined elongated paths in which all the planets of the solar system move around the sun.
- **The sun**
  - Centre of the solar system
  - Huge and made up of extremely heat gases
  - Provides the pulling force that binds the solar system
  - About 150 million kms away from the earth.