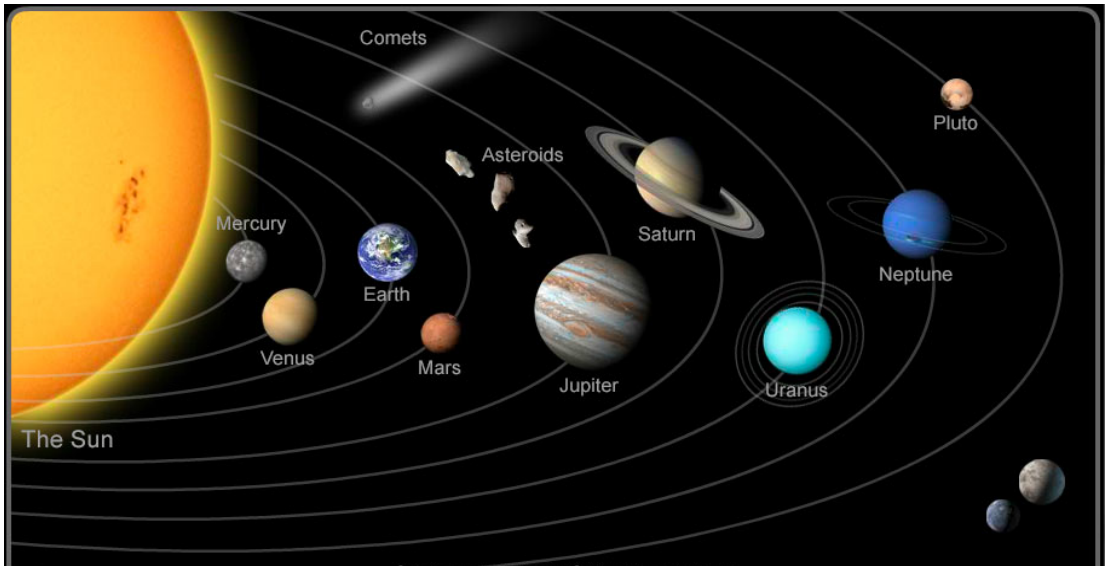


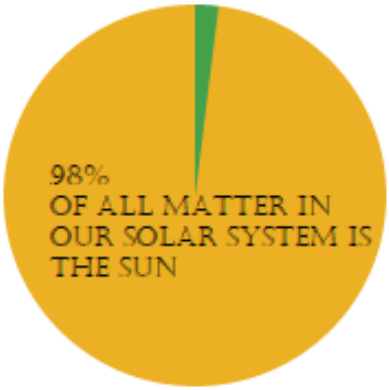
The components of our Solar System

Our Solar System consists of :

1. the sun
2. planets,
3. moons,
4. asteroids,
5. comets,
6. minor planets,
7. dust and
8. gas.

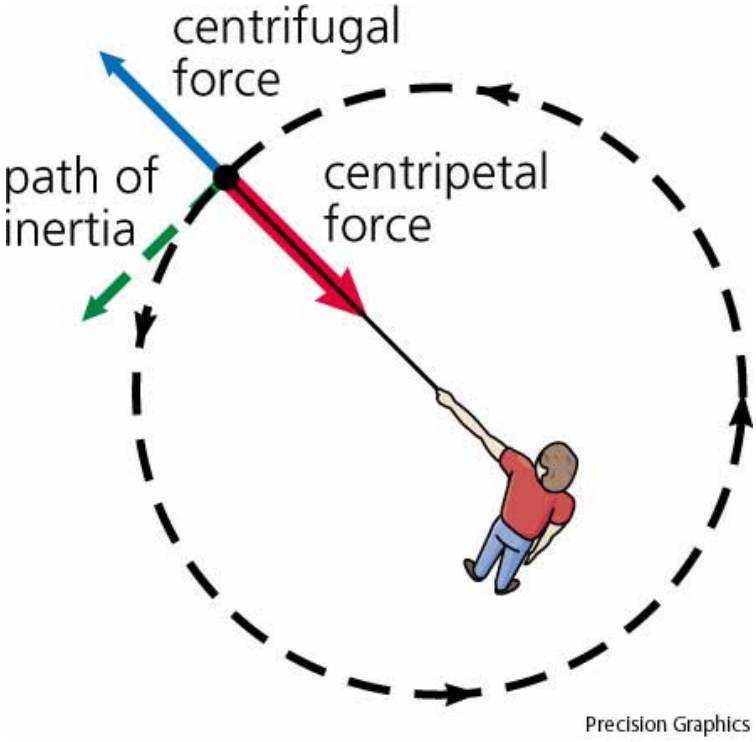
Everything in the Solar System **orbits or revolves around the Sun**.

The Sun contains around **98% of all the material** in the Solar System.



Orbiting

The larger an object is, the more gravity it has. Because the Sun is so large, its powerful **gravity attracts** all the other objects in the Solar System towards it.(centripetal force)



At the same time, these objects, which are moving very rapidly, try **to fly away from the Sun,** outward into the emptiness of outer space. (centrifugal force)

The result of the planets trying to fly away, at the same time that the Sun is trying **to pull them inward** is that they become trapped half-way in between. Balanced between flying towards the Sun, and escaping into space, they spend eternity orbiting around their parent star. (path of inertia)
