

### Space Notes part 3

**Black Hole** - a place in space where gravity pulls so much that even light cannot get out.

A **planet** orbits the sun, is massive to be nearly spherical in shape, and has no other large object in its orbital path.

**Dwarf Planets** orbit the Sun, but they share orbital paths with similar sized objects.

A **moon** is a natural satellite that orbits an object other than a star.

**Comets** are small, rocky, icy objects that orbit the sun.

A **star** is a large sphere of hydrogen gas hot enough for nuclear reactions to occur in its core.

A **light year** is the distance light travels in one year (300,000 km/s).

The Moon orbits Earth, while the Earth orbits the Sun.

A **galaxy** is a huge collection of stars, gas, and, dust. Our Sun orbits the center of our galaxy, The Milky Way

The Milky Way is 100,000 light years long.

The Milky Way is a spiral galaxy.