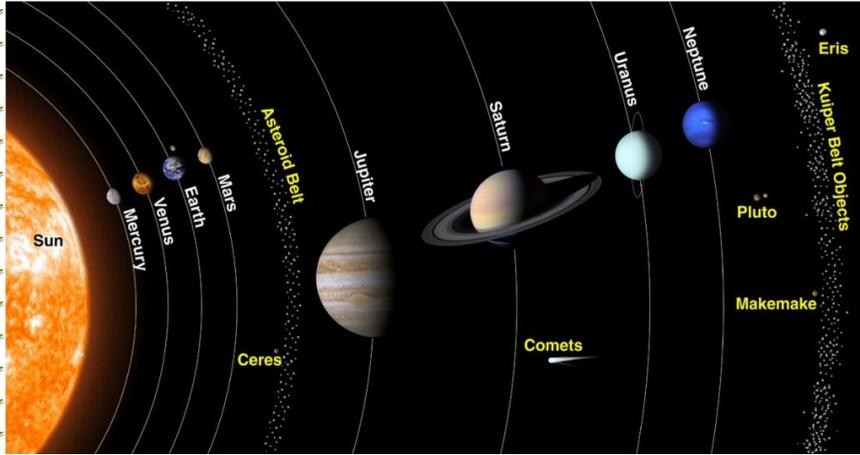


# Knowledge Organizer - Space Exploration

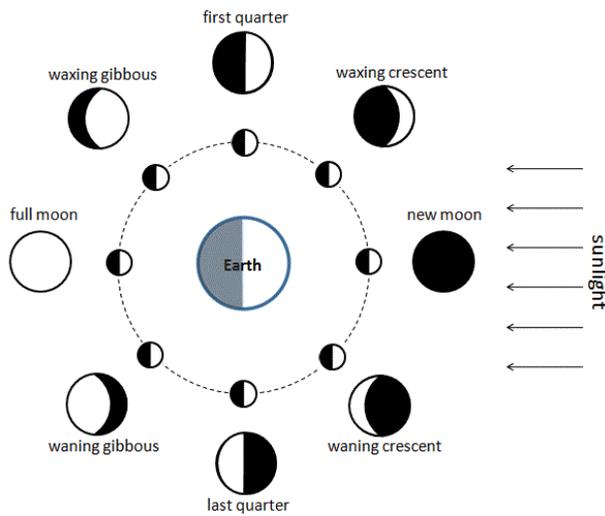
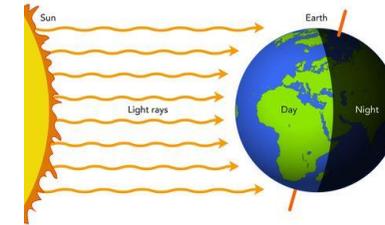


## Key vocabulary:

Universe; Galaxy = The Milky Way, **Solar system:** Star = Sun; Planets = Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune (Pluto was classified as Dwarf planet in 2006)

## Day and night -

Earth, axis, rotate, Moon, Sun



## Phases of the Moon:

full moon, gibbous moon, half moon, crescent moon, new moon, waxing, waning  
Moon's orbit: 29.5 days, lunar month, orbit, planets, revolve, sphere,

## Key Scientists:

1. **Aristarchus (310 - 230 B.C.)**. He was the first to figure out that the Earth travels around the Sun.
2. **Nicolas Copernicus (1473 - 1543)**. Had the idea that Earth revolves on its axis and the Earth and other planets orbit around the Sun
3. **Galileo Galilei (1564 - 1642)**. Discovered four of Jupiter's moons. In 1609 was the first person to make a study of the skies with a telescope.
4. **Edwin Hubble (1889-1953)**. In 1924 Hubble showed that nebulae (fuzzy light patches in the sky) were distant galaxies. In 1929 he found the speed of galaxy moves away from the Earth depends on its distance from the Earth. If a galaxy is four times as far away as another, it is moving four times as fast. This is Hubble's law.
5. **Professor Brian Cox (1968 -)** Contemporary physicist, presents many BBC programmes)

