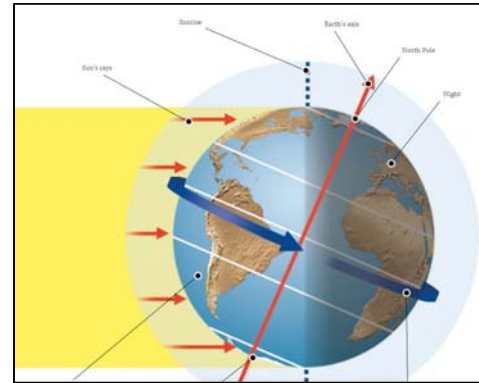
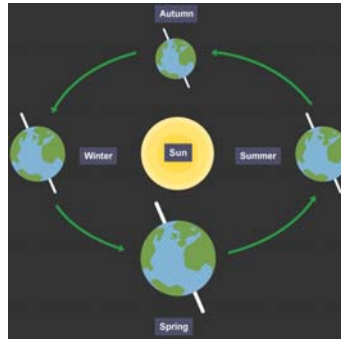


Science Knowledge Organiser



Y7 Earth: Universe



Light year – a distance not a time!

Meters: 9,460,730,472,580,800

Kilometres: 9,460,730,472,580.8

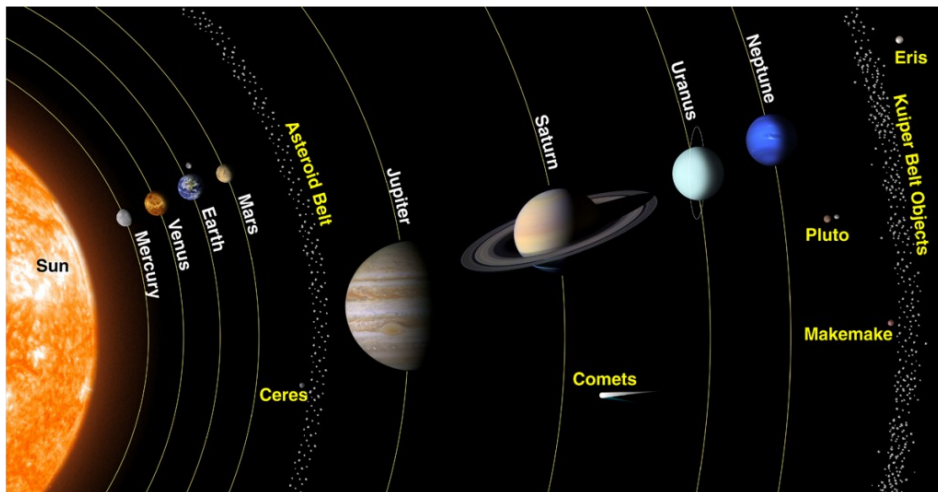
Standard form: 9.46×10^{12} km

Light takes minutes to reach Earth from the Sun, four years from our nearest star and billions of years from other galaxies.

Key words – bold are the main ones you need.

Asteroid	Small rocky body orbiting the sun.
Exoplanet	Planet that orbits a star outside our solar system.
Comet	Ball of mostly ice that orbits the sun.
Galaxy	Collection of stars held together by gravity. Our galaxy is called the Milky Way.
Light year	The distance light travels in a year (over 9 million, million kilometres).
Moon	Natural satellite orbiting a planet
Orbit	Path taken by a satellite, planet or star moving around a larger body. Earth completes one orbit of the Sun every year.
Planet	Large body orbiting a star
Satellite	Orbits a planet. Earth has man-made satellites e.g. space station, GPS, communications satellites , telescopes (e.g. Hubble)
Stars	Bodies which give out light, and which may have a solar system of planets

Solar system



Galaxy – red dot our solar system

