

Astronomical Unit (AU) – Equals 150 million km or the average distance between the Sun and Earth.

The unit used for measuring distances within our own solar system.

Light Year (LY) –

The distance light travels in 1 year

The unit used for measuring distances between stars and galaxies.

Light travels about 300,000 km/sec

Light travels about 9,500,000,000,000 km/year (9.5 trillion km/year)