

ASTRONOMICAL MEASUREMENTS

astronomical unit (AU)

$$1 \text{ AU} = 150,000,000 \text{ km}$$

One AU is equal to the average distance from Earth to the Sun.

light-year (ly)

$$1 \text{ ly} = 63,000 \text{ AU}$$

$$1 \text{ ly} = 9.5 \text{ trillion km}$$

One ly is equal to the distance light travels in 1 year, traveling at 300,000 km per second.