

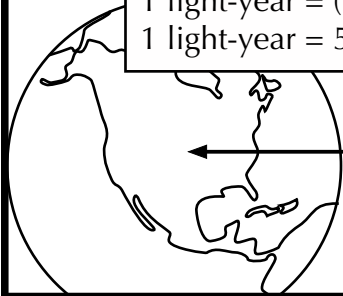


A light-year is a unit expressing distance, not time.

Understanding the Light-Year (ly)

One light-year equals the distance that light travels through a vacuum in one year:
about 5.9 trillion miles (or about 9.5 trillion km)

1 light-year = distance that light travels through a vacuum in 1 year
1 light-year = (velocity of light) x 1 year
1 light-year = (186,000 miles/sec x 3600 sec/hr x 24 hrs/day x 365.25 days/year) x 1 year
1 light-year = 5,870,000,000,000 miles = about 5.9 trillion miles



Distance to the Moon = 1.25 light-seconds



... another 498 light-seconds (or 8.3 minutes) to the Sun →

Distance from the Sun (light-minutes)



Distance to the Stars - and beyond (light-years) ...

