

Full name: Date: Group:

1.- Complete the paragraph by using an words from the list below:

_____ are millions of _____ away. To see a _____, that _____ light must travel across _____ to our eyes. They are so far away that standard units of measurement like miles and _____ are awkward to measure these distances, therefore a unit known as the light year is used. If the _____ is five light years away, then the light we are _____ from that _____ took five years to travel to our eyes. It also means that what we see happening at that _____ is actually what happened five years ago, not what is happening in the _____ present.
 A light year is defined as the distance that light travels in one _____ year. Light moves extremely fast, 300.000 km/s or 180.000 miles/second. In one second light can travel around _____ almost seven and a half times.

kilometers (2 times) - Earth (2) - star (4) - space - star's (2) - Stars - seeing

2.- Complete the following table about 'Approximate light signal travel times' (choose the correct answer below):

from Moon to Earth	1.3 seconds
from Sun to Earth (1 AU = 150 million km)	
from Alpha Centauri to Earth	
from the nearest galaxy to Earth	
across the Milky Way	
from the Andromeda Galaxy to Earth	

[8.3 min - 25.000 years - 1.3 seconds - 2.5 million years - 100.000 years - 4.4 years]

3.- Questions:

- 3.1.- That it's 150 million km?
- 3.2.- How far does light travel in one second?
- 3.3.- How far is a light year? In 31.557.600 seconds light will travel a distance of ...
- 3.4.- That it's the Moon? (a small planet, a big star, a natural satellite, a comet or an asteroid?)
- 3.5.- That it's Milky Way?
- 3.6.- That it's Alpha Centauri? (a small galaxy, a far star, a big nebula or a near star?)
- 3.7.- Which is the Star's Solar System?