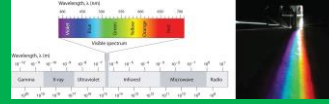


Science Vocabulary Distance in the Universe

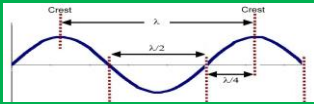
Light year- A measure of how long it takes light to travel through space in one year.



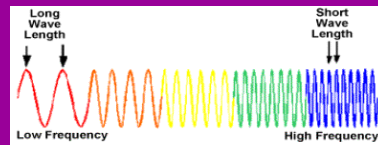
Electromagnetic Spectrum- The range of all the waves that can travel through matter as well as empty space.



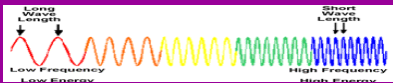
Wavelength- The distance between one peak or crest of wave of light, heat, or other energy and the next corresponding peak or crest.



Frequency- The number of times a specified periodic phenomenon occurs within a specified interval.



Light Waves Electromagnetic radiation that has a wavelength in the range from about 4,000 (violet) to 7,700 (red) angstroms and may be perceived by normal unaided human eyes.



Radio Waves- A very low frequency electromagnetic wave; many celestial objects, such as pulsar, emit radio waves.



Speed of Light- The speed at which light travels in a vacuum; the constancy and universality of the speed of light recognized by defining it to be exactly 299,792,458 meters per second.

