

Astronomy Section 1

1. electromagnetic waves ~ transmits radiation (a.k.a. energy) through empty space and matter
2. electromagnetic spectrum ~ arrangement of electromagnetic radiation according to their wavelengths; the shorter the wavelength the more vibrations will occur and the higher the frequency will be
3. speed of light ~ all electromagnetic waves travel at the same speed (approx. 300,000 km/s in a vacuum)
4. optical telescope ~ uses visible light (a form of EM radiation) to produce magnified images of objects; two types are refracting telescope and reflecting telescope
5. radio telescope ~ uses radio waves (a form of EM radiation) to study radio waves passing through space