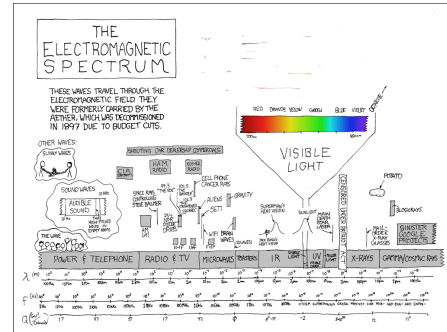


Electromagnetic waves are made by vibrating electric charges and don't require a medium to travel through.

The energy carried by an electromagnetic wave is radiant energy.



The "speed of light" is the speed of all electromagnetic waves in a vacuum of space which is 300,000 km/s.



This is nature's speed limit - a medium will only slow down the wave.

Electromagnetic waves usually travel slowest in solids and liquids and fastest in gases.

### Electromagnetic Spectrum

#### Flip Book

**Directions:**

Create a flip book that includes info. on each type of wave found in the electromagnetic spectrum. Include examples.

**Include the following:**

- Radio waves
- microwaves
- infrared waves
- visible light
- ultraviolet waves
- x rays
- gamma rays