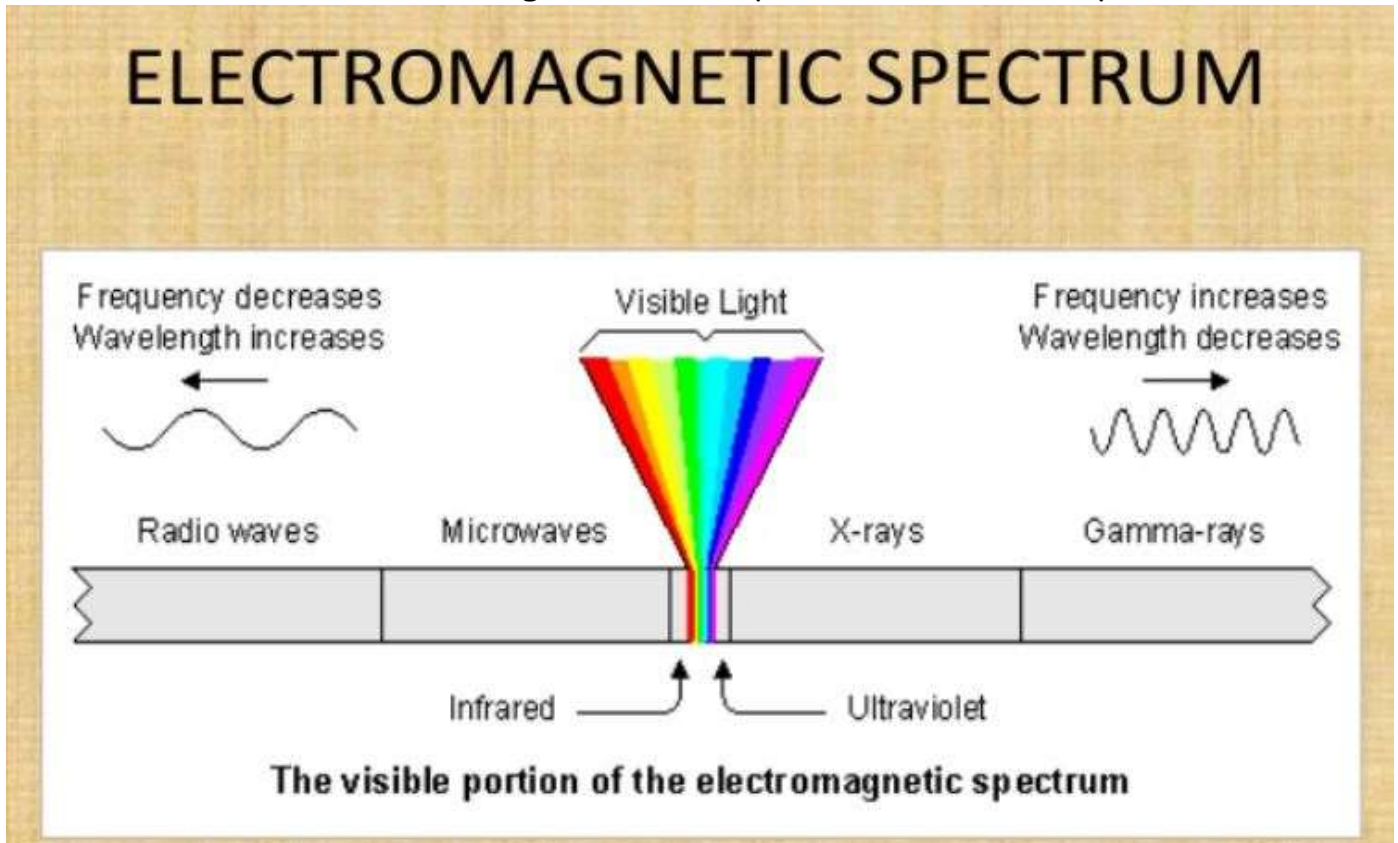


Class 4 Science : Finding the Speed of Light:

Light is one of the waves of energy on the electromagnetic spectrum - and they travel at the speed of light.

Copy the diagram on this page so you know what types of electromagnetic waves are all around us (but light is the only one we can actually see).



Microwaves help us vibrate our food so it heats up, but the waves on the right hand side (x-rays and gamma rays) are extremely dangerous for humans.

The wavy line about shows you the length of the energy wave and the frequency tells us how fast the energy wave vibrates.

Here's the links to the two 'finding the speed of light in your kitchen' videos'

Remember, you need an adult to supervise this experiment.

Video 1: Speed of light using cm

<https://drive.google.com/file/d/1tcruT7G7jiVdHomDt-T0XZA6DgCvqJvT/view?usp=sharing>

Video 2: Speed of light using inches (which need to be multiplied by 63360 to convert into miles)

<https://drive.google.com/file/d/1hxNdyjLXJpwwF5In0duSHEqOoEZvuXKH/view?usp=sharing>