



Electromagnetic spectrum

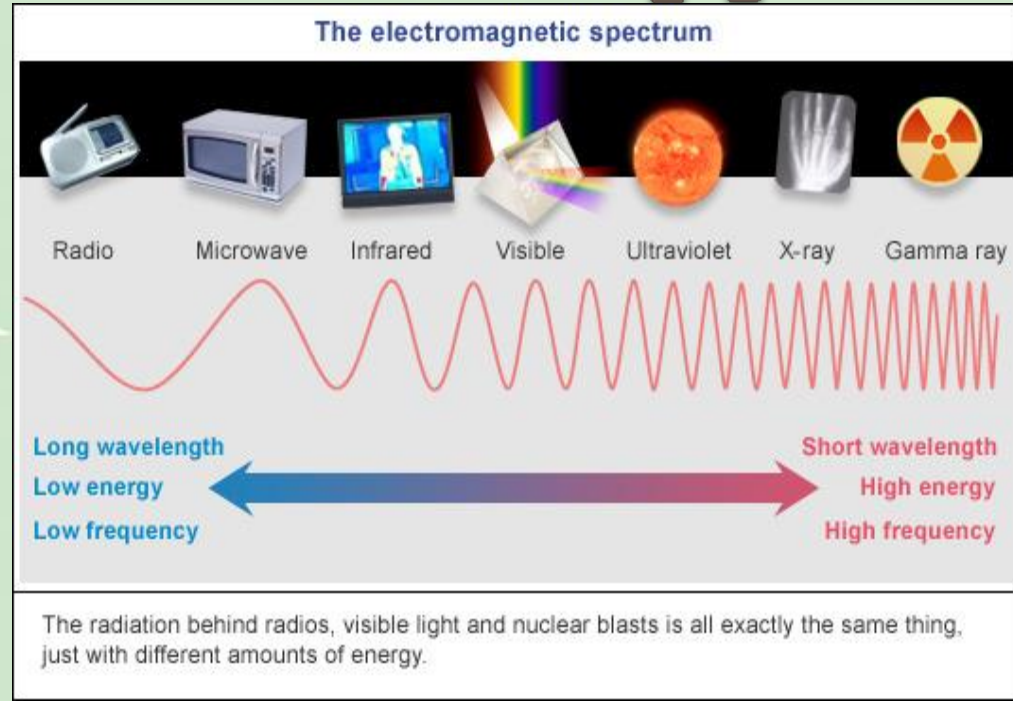


By Rhiannon and Jasmeen



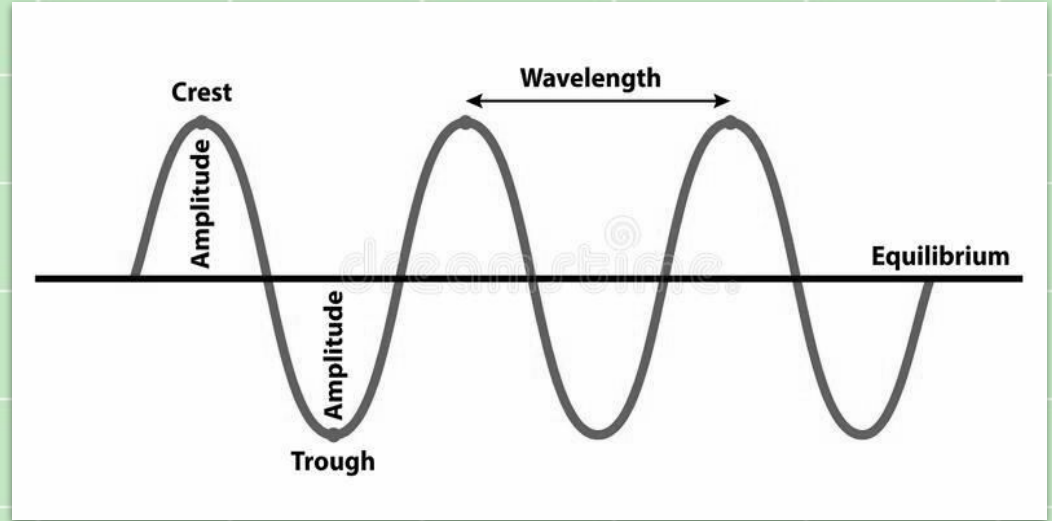
What is Electromagnetic spectrum

Electromagnetic spectrum is the range of all types of EM radiation. There is 7 types as you see in the image



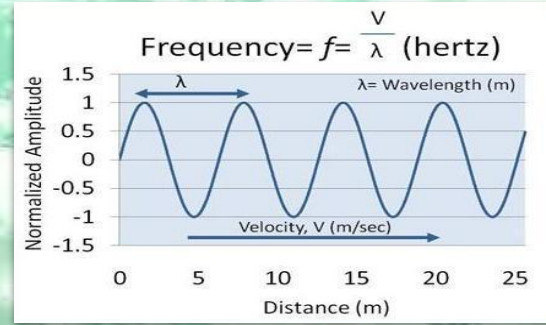
what is wave

wave is a disturbance in a medium that carries energy without a net movement of particles.



↑
THIS SHOWS THE CREST, TROUGH, WAVELENGTH AND AMPLITUDE

What is Frequency and Hertz



Frequency

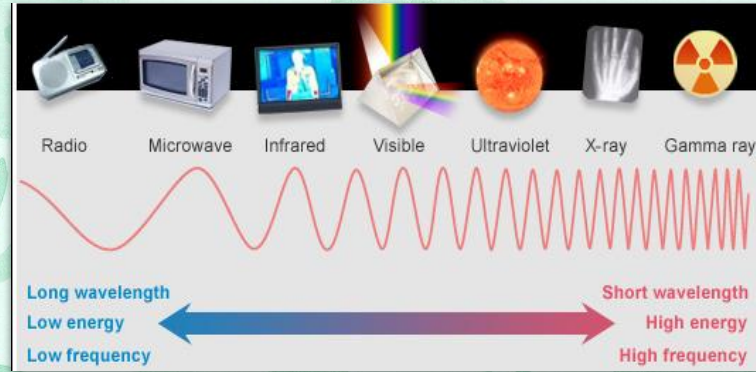
It is the number of waves that pass a fixed point in unit time; also the number of cycles or vibrations undergone during one unit of time by a body in periodic motion.

Hertz

It is the unit of frequency in the International System of Units and is defined as one cycle per second.

Radio

This is the wavelength for radio



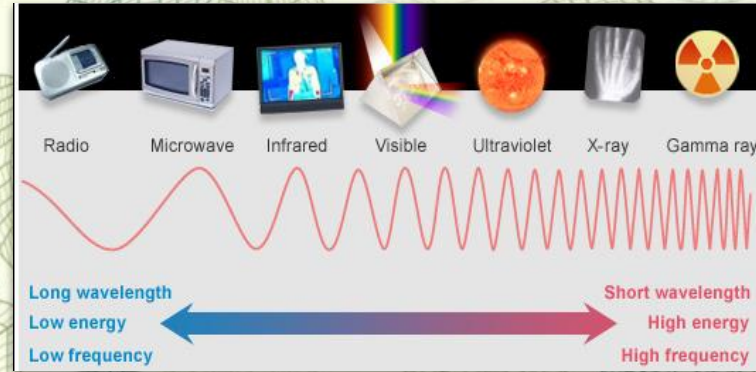
Radio waves is part the of the electromagnetic spectrum at lower frequencies than microwaves. The wavelengths of radio waves range from thousands of metres to 30 cm.

What are some things radio waves are used for:

- STANDARD BROADCAST
- RADIO
- TELEVISION
- NAVIGATION
- REMOTE-CONTROLLED TOYS.

Ultraviolet Radiation

Ultraviolet (UV) is part of the Electromagnetic spectrum. Wavelengths is about 400 nanometres (1 nanometre [nm] is 10^{-9} metre)



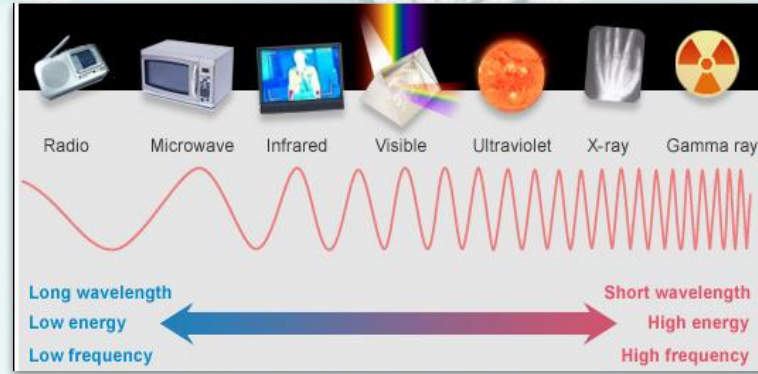
This is the wavelength for Ultraviolet

What are some Ultraviolet waves are used for:

- KILLING BACTERIA
- CREATING FLUORESCENT EFFECTS
- CURING INKS
- RESINS

Infrared radiation

Infrared radiation is part of the Electromagnetic spectrum. It is a type of radiant energy that's invisible to human eyes but that we can feel as heat.



This is the wavelength for Infrared

What are some things infrared radiation waves are used for:

- HEAT FROM THE SUN
- FIRE
- RADIATOR

Bibliography

Links

- what is Electromagnetic spectrum
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