

The Electromagnetic Spectrum

WordBank

Gamma Rays	Infrared	Microwaves
wavelength	frequency	crest
trough	ultraviolet	Visible light
X-rays	300,000,000	light

All electromagnetic waves can travel at the speed of

The speed of light in metres per second is

The top of a wave is called the

The waves that are used to see fractured bones are called

The waves received by your mobile phone are:

The bottom of a wave is called the

The electromagnetic radiation that can be detected by our eyes is called the

The invisible electromagnetic waves given off by a heat lamp are called

The number of waves passing each second is the

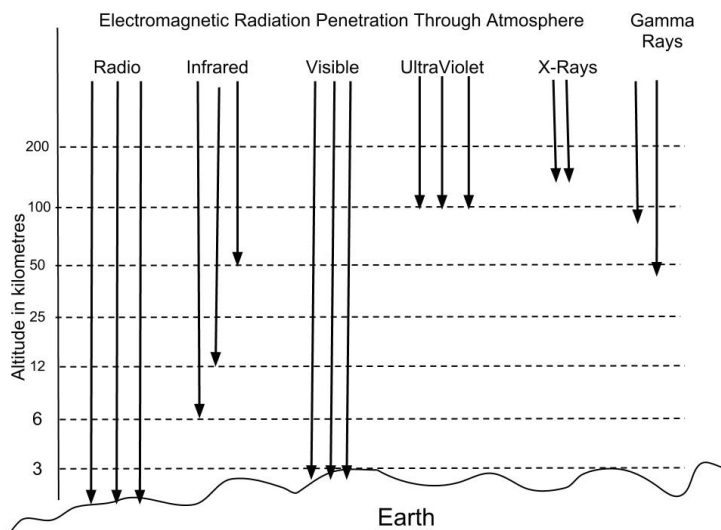
The radiation that makes things fluoresce is called

This radiation is given off by stars and the sun. It is also used in the treatment of cancer

Blue light's is shorter than red's

Arrange the electromagnetic spectrum in order of shortest to longest wavelength

			Visible			
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These radiation penetrate right down to the surface of the Earth

This radiation is absorbed at the highest altitude.

You need to be above 150 km to catch these waves.