THE ELECTROMAGNETIC SPECTRUM

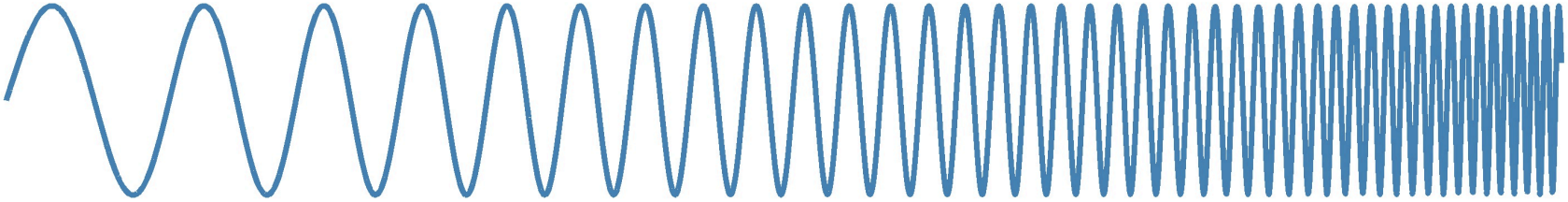
PHYSICAL SCIENCE

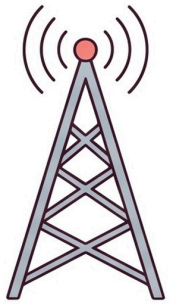
What each part does

The electromagnetic spectrum is the whole range of light waves, from long radio waves to short gamma rays. Our eyes see only a small slice of it.

Long waves, low energy

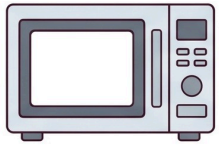
Short waves, high energy





Radio waves

Longest waves. They carry music and TV signals.



Microwaves

Heat food in an oven. Also used for radar.



Infrared

Felt as heat. A TV remote uses it.



Visible light

The only waves our eyes can see.



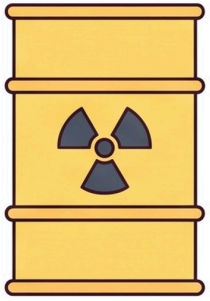
Ultraviolet (UV)

Come from the sun. Can cause sunburn.



X-rays

Let doctors take pictures of bones.



Gamma rays

Shortest waves with the highest energy.