

# UNDERSTANDING REDSHIFT: THE SCIENTIFIC TIME TRAVELLER

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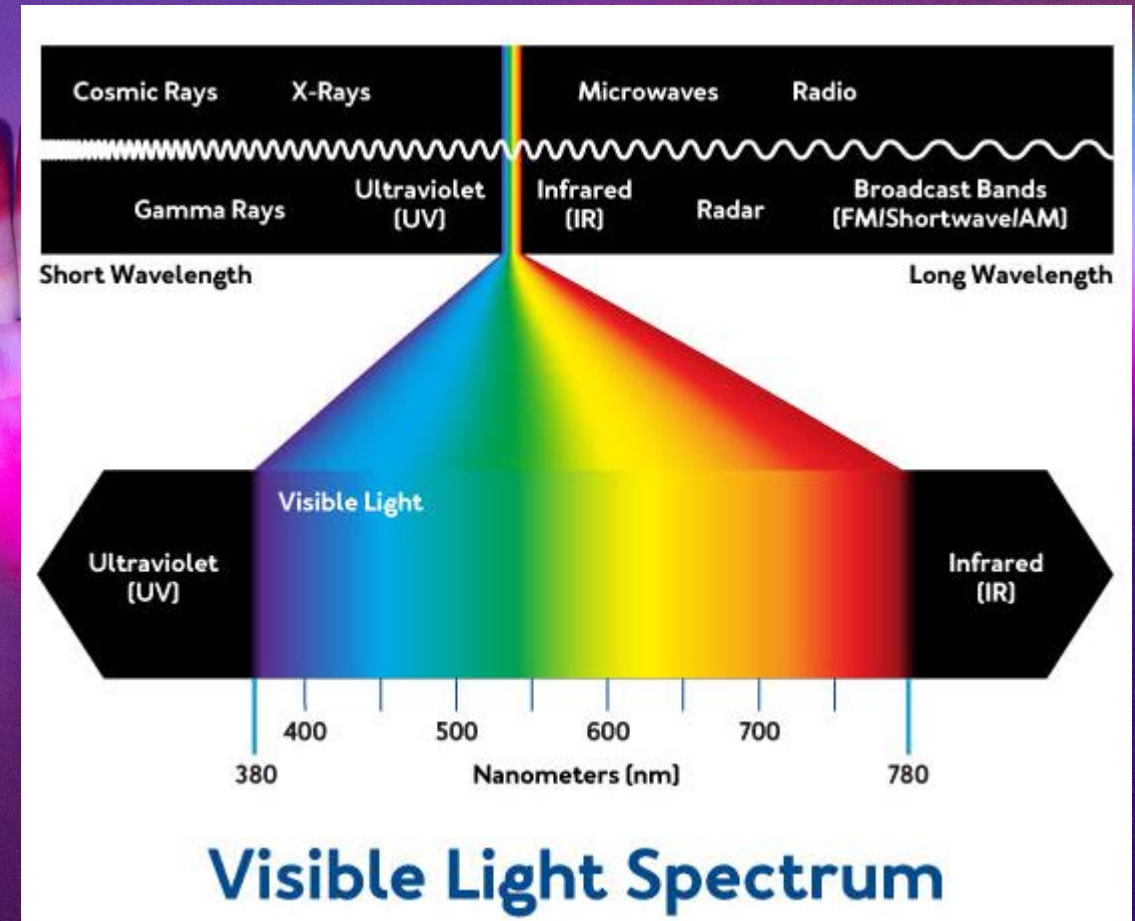


# BASICS: WHAT IS LIGHT?

Light is a form of electromagnetic radiation that travels in waves of varying lengths.

The longer or shorter the wavelength of light, the higher or lower it is on the spectrum.

Light that we can see is in something called the visible light spectrum and it ranges from short wavelengths, that produce colours like purple and blue, to long wavelengths, that produce colours like red and orange.



# WHAT DO LIGHT WAVELENGTHS SHOW?

- The further a wave travels, the more stretched out its wavelength becomes.
- As a wave lengthens out, it



