Describe a transverse wave. Give an example.

Describe a longitudinal wave. Give an example.

Give the definition of...

What is diffraction?

What are the units of frequency, period, wavelength and speed?

Wave Parameters & Behaviours

Draw a diagram of a wave and label the; crest, trough, amplitude and wavelength

Complete the diagrams showing diffraction through a gap

Complete the diagrams showing diffraction around an object

Relationships to calculate wave speed

Relationships to calculate frequency and period

All waves transfer...
Electromagnetic Spectrum

List applications for each type of radiation

List detectors for each type of radiation

List typical sources for each type of radiation

Put the EM spectrum in order of increasing frequency

What do all EM waves have in common? What speed do they travel at?
When does refraction occur?

Define refraction in terms of wave speed and wavelength

Complete the diagram showing the path of the ray of light

Label the angles of incidence and refraction; and the normal

Name this lens. Complete the diagram

Define...

Angle of incidence:

Angle of refraction: