

CP4 Revision Mat:

Waves:

Label amplitude and wavelength on the diagram

Define frequency and state the unit

Describe how longitudinal waves travel

State an example of a longitudinal wave

Describe how transverse waves travel

State examples of transverse waves

Calculating wave speeds

What are the two equations that can be used to calculate wave speeds:

1)

2)

Draw triangles to help you rearrange to get the subject

A wave travels 10m in 2 seconds. Calculate the speed.

A wave has a speed of 330m/s and a wavelength of 16m. Calculate the frequency.

Describe how you could measure the speed of water waves between two buoys floating in the sea

Refraction:

Define refraction

What is the normal?

Complete the diagram to show what happens to light when it leaves the glass block

Describe what happens when a light travels from air to glass

Describe what happens when a light travels from glass to air