

KEY WORDS wave 波 • transverse 横波 • longitudinal 纵波 • amplitude 振幅 • wavelength 波长

You must be able to:

- Study these first. Each one shows the method for a question type used later.

Amplitude is the maximum displacement from rest; **wavelength** is the distance between two matching points on the wave.

2.1 State what a wave transfers and what it does **not** transfer. [2]

①

2.2 Give one example each of a transverse and a longitudinal wave. [2]

2.3 Define the amplitude of a wave. [1]

3.1 A wave transfers [1]

3.2 Sound is an example of a [1]

3.3 A wave travels along a rope, with the rope moving up and down as the wave moves sideways.

(a) Name this type of wave. [1]

(b) State the direction of vibration relative to the direction of travel. [1]

(c) Name the quantity equal to the maximum displacement. [1]

②