

General Properties of Waves

Question Paper

Course	CIE IGCSE Physics
Section	3. Waves
Topic	General Properties of Waves
Difficulty	Easy

Time Allowed	10
Score	/5
Percentage	/100

Question 1

The following table shows some examples of waves

Which row correctly lists the nature of each of the wave types?

	Sound waves	Infrared waves	Red light waves
A	transverse	longitudinal	transverse
B	longitudinal	transverse	transverse
C	longitudinal	longitudinal	transverse
D	transverse	transverse	longitudinal

[1 mark]

Question 2

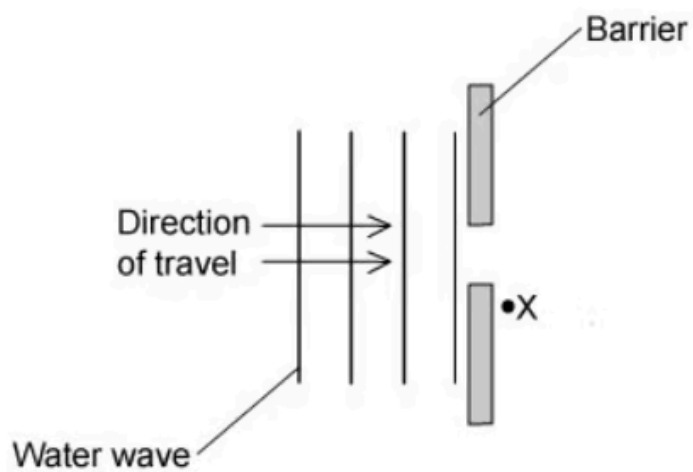
What is the definition of the word **amplitude**?

- A. The number of complete waves that pass a point per second.
- B. The distance from the peak of one wave to the peak of an adjacent wave.
- C. The distance from the equilibrium position of a peak plus the same distance from a trough.
- D. The maximum distance from the equilibrium position of any point on a wave.

[1 mark]

Question 3

What is the name given to the effect that allows the wavefronts to reach point X, shown on the diagram?

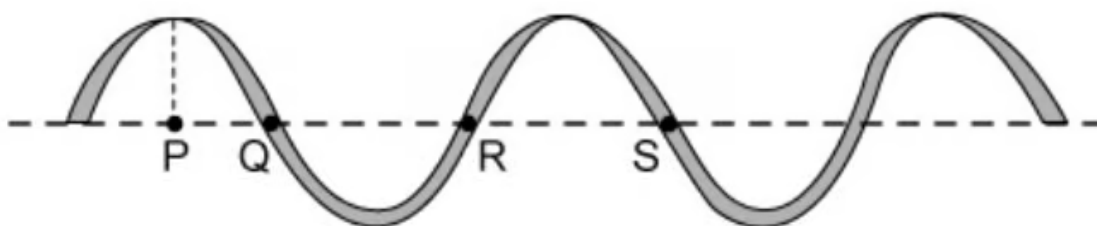


- A. Reflection
- B. Refraction
- C. Diffraction
- D. Dispersion

[1 mark]

Question 4

Which two points on the wave are exactly one wavelength apart?



- A. P and S
- B. Q and R
- C. Q and S
- D. P and R

[1 mark]

Question 5

What is the unit of wave speed?

- A. Hertz
- B. Metre
- C. Second
- D. Metres per second

[1 mark]