

Waves I

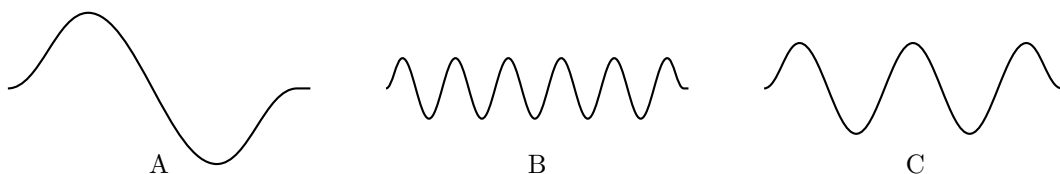
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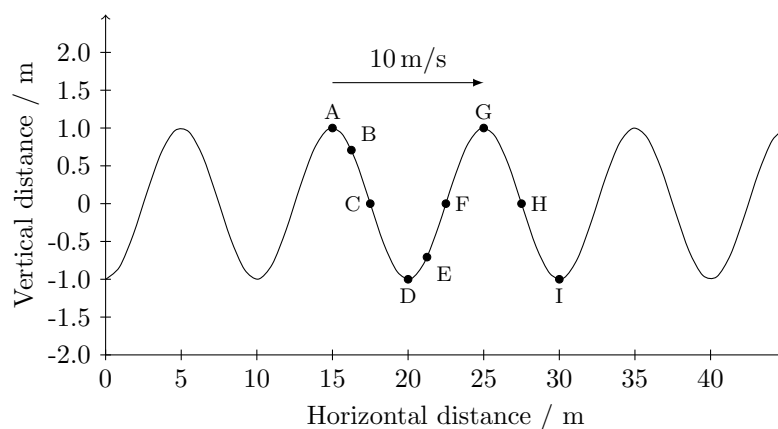
1. Copy out and complete the following sentences:

- (a) A wave is a motion which transfers
- (b) The maximum distance of a particle on a wave from its resting position is called the
- (c) The distance between two adjacent crests is called the

2. The diagram below shows three waves:



- (a) Which wave has the shortest wavelength?
 - (b) Which wave has the largest amplitude?
3. The diagram below shows a piece of string with a wave travelling along it. There are beads attached in positions A to I.



- (a) Which beads are
 - i. at crests?
 - ii. at troughs?
- (b) What is the
 - i. amplitude of the wave?
 - ii. wavelength of the wave?
- (c) Which beads will move up as the wave moves to the right?



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