

Chapter 27

Use with Section 2

REINFORCEMENT

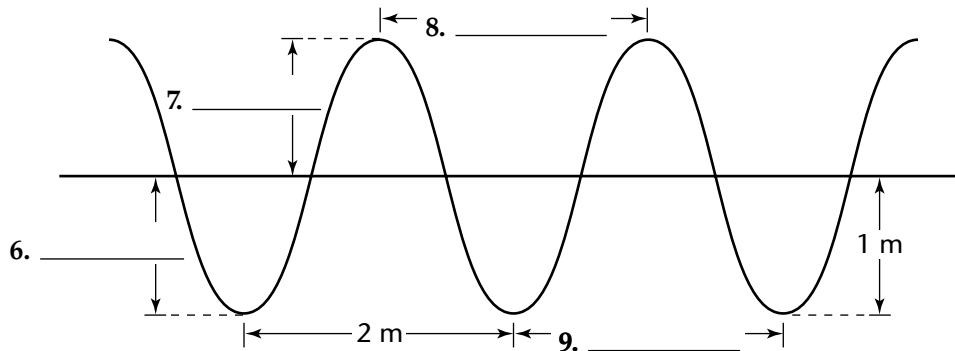
● Wave Properties

Complete each sentence by circling the correct answers and crossing out the incorrect answer.

- The amplitude of a wave can be measured from the (medium, crest) or the (trough, wavelength) to the rest position of the wave's medium.
- Waves with greater amplitudes carry (more, less) energy than waves with smaller amplitudes.
- The wavelength of a transverse wave is often measured from (crest to crest, crest to trough).
- The number of waves that pass a point in one (second, minute) is the wave's (amplitude, frequency).
- Waves with longer wavelengths have a (lower, higher) frequency and waves with shorter wavelengths have a (lower, higher) frequency.

Use the words in the box to label the diagram. You will use each term more than once. Then answer the questions.

amplitude	wavelength
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- What is the wavelength of the wave shown in the diagram? _____
- What is the amplitude of the wave shown in the diagram? _____