

Chapter 17

Use with Section 2

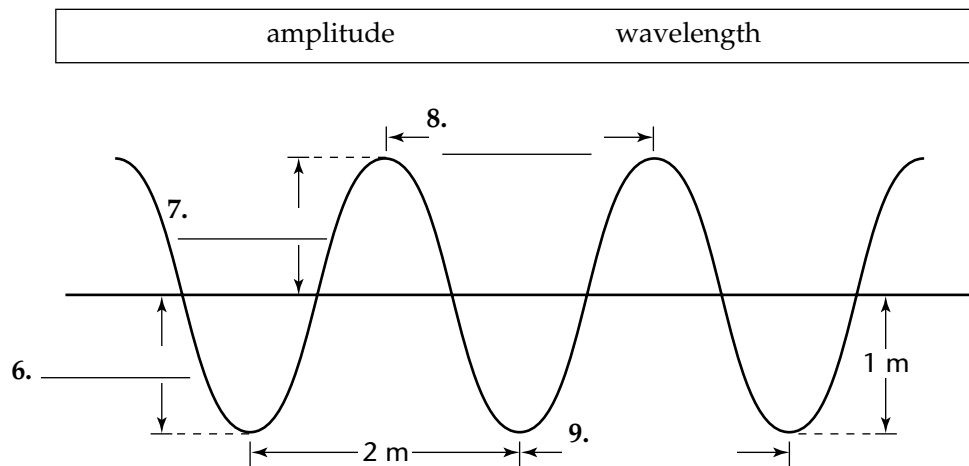
REINFORCEMENT

● Wave Properties

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

1. 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.
2. Waves with greater amplitudes carry (more, less) energy than waves with smaller amplitudes.
3. The wavelength of a transverse wave is often measured from (crest to crest, crest to trough).
4. The number of waves that pass a point in one (second, minute) is the wave's (amplitude, frequency).
5. 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.



10. What is the wavelength of the wave shown in the diagram? _____
11. What is the amplitude of the wave shown in the diagram? _____