Online Quiz

Waves

1. Which is a measure of the energy in a wave?

Need a Hint?



A. ○ frequency
B. ○ amplitude
C. ○ wave velocity
D. ○ wavelength

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2. What is the term for waves that use matter to transfer energy?

Need a Hint?

A. ○ electromagnetic waves
B. ○ mass waves
C. ○ medium waves
D. ○ mechanical waves

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3. Reflection occurs when a wave does what?

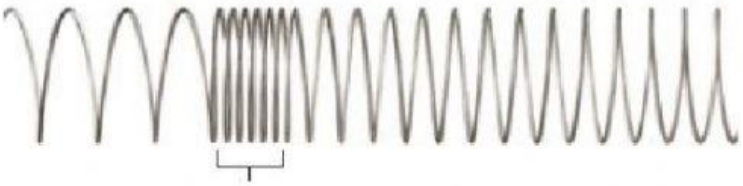
Need a Hint?

A. ○ causes ripples in a pool of water
B. ○ compresses air particles as it travels
C. ○ strikes an object and bounces off of it
D. ○ bends and changes speeds as it travels

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4. What is the region of a longitudinal wave where particles are closest together called?

Need a Hint?



A. ○ trough

B. ○ crest

C. ○ wave motion

D. ○ compression

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5. What happens as the frequency of a wave increases?

Need a Hint?

A. ○ its wavelength decreases

B. ○ its wavelength increases

C. ○ its amplitude decreases

D. ○ its amplitude increases

STOP This is the end of the test. When you have completed all the questions and reviewed your answers, press the button below to grade the test.

Grade the Test

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