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Mechanical and transverse waves worksheet

the contributions to entertainment, health, and safety of technologies that make use of mechanical waves and sound Specific Expectations Understanding Basic Concepts By the end of this course, students will: Chapter and Section WS1.01 define and describe the concepts and units related to mechanical waves (e.g., longitudinal wave,

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Chapter 17 Mechanical Waves and Sound Summary 17.1

Mechanical Waves A mechanical wave is created when a source of energy causes a vibration to travel through a medium.

- A mechanical wave is a disturbance in matter that carries energy from one place to another.
- The material through which a wave travels is called a medium. The three main types of mechanical waves are transverse waves,

Chapter 17 Mechanical Waves and Sound

Mechanical waves can travel through empty space. 3. The material through which a wave travels is called a(n) . 4. Is the following sentence true or false? Solids, liquids, and gases all can act as mediums for waves. 5. A mechanical wave is created when

an energy source causes a to travel through a medium. Types of Mechanical Waves (pages 501 ...

Chapter 17 Mechanical Waves and Sound Section 17.1 ...

Workbook, Section 17.2 ... Mechanical Waves and Sound 505 Wavelength Wavelength is the distance between a point on one wave and the same point on the next cycle of the wave. For a transverse wave, wavelength is measured between adjacent crests or between adjacent troughs. For

Section 17.2 17.2 Properties of Mechanical Waves 1

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Chapter 17 Mechanical Waves and Sound. Physical Science Reading and Study Workbook Chapter 17 197. © Pearson Education, Inc., publishing as Pearson Prentice Hall. All rights reserved. Section 17.1 Mechanical Waves. (pages 500–503) This section explains what mechanical waves are, how they form, and how they travel.

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Detail The interference of sound waves can be constructive or destructive. 1. Sound is a disturbance that travels through a medium as a longitudinal wave. 2. vibration 3. False 4. a. Reflection b. Sound waves bend and spread out when they go around or through an opening in a barrier. c. Interference 5. echo 6. Elasticity, density, and ...

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