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And

Chapter 17-Mechanical Waves and Sounds.

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disturbance in matter that carries energy from one place to another. EXAMPLE: In a wave pool, the waves carry energy across the pool. Medium. The material through which a wave travels. EXAMPLE: Solids, liquids, and gases all can act as a medium. In a wave pool, waves travel ...

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Mechanical waves are waves that require a medium in order to transport their energy from one location to another. ... Sound is a mechanical wave and cannot t...

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Sound though which a wave travels. Crest.

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Section 17.1 – Mechanical Waves. A is a disturbance in matter that carries

_____ from one place to another.

_____ require to travel through. The through which a wave travels is called a

_____. A mechanical wave is created when a source of causes a to travel through a _____.

Chapter 17: Mechanical Waves and Sound

Chapter 17 Mechanical Waves and Sound.

17.3 Behavior of Waves; 47 Reflection.

Reflection occurs when a wave bounces off a surface that it cannot pass through.

Reflection does not change the speed or frequency of a wave, but the wave can be flipped upside down. 48 Refraction.

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Refraction is the bending of a wave as it enters a new medium at an angle.

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Chapter 17 Mechanical Waves and Sound. Transverse waves, longitudinal waves, and surface waves. a disturbance in matter that carries energy from one place to another. the material through which a wave travels. a wave that causes the medium to vibrate at right angles to the direction in which the wave travels.

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Section 17.1 Mechanical Waves (pages 500 – 503) This section explains what mechanical waves are, how they form, and how they travel. It discusses three main types of mechanical waves—transverse, longitudinal, and surface waves—and gives

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Chapter 17: Mechanical Waves and Sound. the response of a standing wave to another wave of the same frequency, with dramatic increase in amplitude of the standing wave. This activity was created by a Quia Web subscriber.

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ICP wordwise for chapter 17. STUDY.
PLAY. amplitude. maximum displacement

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of a wave. transverse. type of mechanical wave whose direction of vibration is perpendicular to its direction of travel. period. the time required for one complete wave cycle.

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502 Chapter 17 Observing Waves in a Medium Objective After completing this activity, students will be able to

- describe a mechanical wave as a passage of energy through medium, with no net movement of the medium. This lab can dispel the misconception that waves are parts of the medium that travel with the wave.

Skills Focus Inferring Prep Time 15 minutes

Section 17.1 17.1 Mechanical Waves

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Mechanical Waves Disturbance in matter that carries energy from one place to another Medium: what a wave travels

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through Can be a solid, liquid, or gas
Created when source of energy causes
vibration to travel through a medium
Transverse Waves

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