# Chapter 17 Mechanical Waves And Sound Test Answers

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## **Chapter 17 Mechanical Waves And**

The Mechanical Waves and Sound chapter of this Prentice Hall Physical Science Companion Course helps students learn the essential physical science lessons of mechanical waves and sound.

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Chapter 17: Mechanical Waves and Sound. Enter an answer into the box Quiz by Catluvr4life Profile Quizzes Subscribed Subscribe? Last updated: March 28, 2016 ... What are the three main types of mechanical waves? The three main types of mechanical waves are transverse waves, longitudinal waves, and surface waves.

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the interaction among two or more waves in which displacements combine to produce a wave with a larger displacement: destructive interference: the interaction among two or more waves in which displacements combine to produce a wave with a smaller displacement: standing wave: a wave that appears tos tay in place and does not seem to move through ...

### Quia - Chapter 17: Mechanical Waves and Sound

500 Chapter 17 17.1 Mechanical Waves Reading Strategy Previewing Copy the web diagram below. Use Figure 2 to complete the diagram. Then use Figures 3 and 4 to make similar diagrams for longitudinal waves and surface waves.

#### **Section 17.1 17.1 Mechanical Waves**

Chapter 17 Mechanical Waves and Sound WordWise Test your knowledge of vocabulary terms from Chapter 17 by completing this ... Type of mechanical wave whose direction of vibration is perpendicular to its direction of travel 4. A unit used to compare sound intensity levels 5.

#### **Chapter 17 Mechanical Waves and Sound WordWise**

Chapter 17 Mechanical Waves and Sound Section 17.1 Mechanical Waves (pages 500–503) This section explains what mechanical waves are, how they form, and how they travel. Three main types of mechanical waves—transverse, longitudinal, and surface waves—are discussed and examples are given for each type. Reading Strategy (page 500)

#### Chapter 17 Mechanical Waves and Sound Section 17.1 ...

a measuring instrument that sends out an acoustic pulse in water and measures distances in terms of the time for the echo of the pulse to return

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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. •Amechanical wave is a disturbance in matter that carries energy from one place to another.

#### **Chapter 17 Mechanical Waves and Sound - Amazon S3**

Chapter 17 Mechanical Waves and Sound Section 17.3 Behavior of Waves (pages 508–512) This section describes different interactions that can occur when a mechanical wave encounters an obstacle, a change in medium, or another wave. These interactions include reflection, refraction, diffraction, and interference. Reading Strategy (page 508)

#### Chapter 17 Mechanical Waves and Sound Section 17.3 ...

Chapter 17 Mechanical Waves and Sound Section 17.2 Properties of Mechanical Waves (pages 504–507) This section introduces measurable properties used to describe mechanical waves, including frequency, period, wavelength, speed, and amplitude. Reading Strategy (page 504) Build

Vocabulary As you read, write a definition in your own words

## Chapter 17 Mechanical Waves and Sound Section 17.2 ...

Chapter 17 Mechanical Waves & Sound W H Y I S T H I S ?? ? 17.1: Mechanical Waves. What types of waves can you identify in a wave pool @ at amusement park? • In a wave pool, energy is being carried across the pool in the form of waves. • The sounds of laughter and talking in the pool

## Chapter 17 Mechanical Waves & Sound - moodle.monashores.net

504 Chapter 17 17.2 Properties of Mechanical Waves W ill it be a good day for surfing? You might not think that a surfer would check the Internet to find out. But some Web sites now update ocean wave data every hour. Of course, fishing boats and naval vessels also need this information. Usually, the properties used to describe

## Section 17.2 17.2 Properties of Mechanical Waves 1

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#### Section 17.1 17.1 Mechanical Waves - Weebly

Section 1 – Mechanical Waves B. Types of Mechanical Waves 1. Transverse A. definition: causes medium to vibrate at right angles compared to the direction of the wave EX. Shake off a picnic blanket B. Trough: lowest point below rest position c. Crest: highest point above rest position D. diagram of transverse wave

#### Chapter 17

CH 17 - MECHANICAL WAVES & SOUND Sec. 17.2 - Mechanical Waves Mechanical Wave - disturbance in matter that carries energy from one place to another. • Mechanical waves require matter called a MEDIUM to travel through • A medium can be solid, liquid or gas • A mechanical wave is created when a source of energy causes a

#### CH 17 - MECHANICAL WAVES & SOUND Sec. 17.2 - Mechanical ...

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c. A wave with a higher frequency will have a longer wavelength. Amplitude (page 507) 9. What is the amplitude of a wave? Questions 10–13 refer to the figure below. 10. The type of waves shown are . 11. Add arrows to the figure to indicate the amplitude of each wave. Which wave has the greater amplitude? 12. Which wave shown has more energy? 13.

## Chapter 17 Mechanical Waves and Sound Section 17.2 ...

Name\_\_\_\_ Physical Science Pd. \_\_\_ Date\_\_\_ Ch. 17 Mechanical Waves and Sound. Answer Key. SPS9. Students will investigate the properties of waves. Word Bank. cresttroughmedium constructive

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