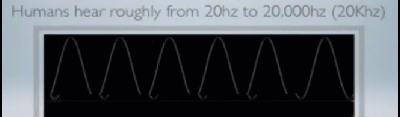
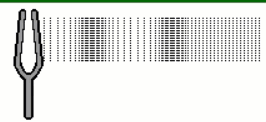
**Mechanical Waves & Sound Chapter 17A**

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**See** [**https://www.learningctronline.com/courses**](https://www.learningctronline.com/courses) **for Materials and Resources.**

**Topics:**

1. Mechanical Waves & Sound

**Objectives:**

* How are mechanical waves like sound produced, transmitted, and heard?
* Define the properties of mechanical waves like sound waves (longitudinal, wavelength, amplitude, frequency, speed) and calculate variables.

TAKE NOTE

1. Guided Reading Note-Taking Worksheet (Pearson Text)
2. Pearson Concepts in Action Worksheets
3. Lab Sound Activities
4. Class Song: There’s No Way to Fail
5. Week 27 Devotional (<https://www.learningctronline.com/devotional>)

**Text**: Chapter 17: Mechanical Waves & Sound pp. 498-507

**Guided Reading Note-Taking Worksheet:**

Complete the worksheet for Chapter 17: Mechanical Waves & Sound (17.1 – 17.2).

**Class Notes: PowerPoint or PDF**

**Homework**:

* 17.1 Mechanical Waves Worksheet (Pearson Concepts in Action)
* 17.2 Properties of Mechanical Waves Worksheet (Pearson Concepts in Action)
* Assignments will be “spot checked” during class or submitted via email.

**Lab**: Sound Activities

* Complete the activities using the worksheet provided.
* Save the documents into your LAB folder in the Physical Science folder on your desktop.
* *Assignments will be “spot checked” during class or submitted via email.*

**TEST:** The test will be given after next week’s lesson.

Supplemental Resources (Optional)

[**http://somup.com/cbeDrkRAG**](http://somup.com/cbeDrkRAG) **PHET Simulation of Amplitude and Frequency (1:23) Class Demonstration**

[**http://somup.com/cbeD3zRBj**](http://somup.com/cbeD3zRBj) **PHET Simulation of Frequency & Wavelength (1:25) Class Demonstration**

[**http://somup.com/cFXoILnjiI**](http://somup.com/cFXoILnjiI) **Car Horn Doppler Effect (0:13)**

[**http://somup.com/cFXoIKnjil**](http://somup.com/cFXoIKnjil) **Echo & Reverberation (1:09)**

<http://somup.com/cYhqoXjzeZ> Rejoice in Hope Romans 12:12; Let Me Love & Not Be Respected (5:30)