Waves: Day 13 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Core: \_\_\_\_\_ Date: \_\_Friday, April 21st \_\_\_\_

**1. The type of energy that we can hear:**

**A) Light Waves B) Sound Waves C) Radio Waves**

**2. The distance between adjacent compressions:**

**A) Wave Height B) Amplitude C) Wavelength**

**3. As the \_\_\_\_\_\_ of a wave increases, so does the energy:**

**A) Amplitude B) Line of Origin C) Crest**

Draw It: A sound wave in…

Solid:

Liquid:

Gas:

**Sound Travels Through Matter**

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| --- | --- | --- | --- |
| - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a kind of energy that can be heard.  - A sound is made when things \_\_\_\_\_\_\_\_\_\_\_\_\_\_.  - Sound travels in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  - Sound must travel through \_\_\_\_\_\_\_\_\_\_\_\_\_ (a medium) to be heard.  - The vibrating object makes the matter around it \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, too.  - Sound vibrations move through the air into your ears and make your \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ vibrate.  - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is how loud or soft a sound is - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is how high or low a sound is- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. | **Solids:**  - Some sounds that we hear travel through \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  - Sound waves travel very \_\_\_\_\_\_\_\_\_\_\_\_ through solids.  - For Example: if you put your ear against the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and someone hits the desk, the sound wave travels to your ear through the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - your desk. | **Liquids:**  - Some \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that travel through water.  - Sound waves travel \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ through water than through \_\_\_\_\_\_\_\_\_\_\_\_\_\_.  - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the way to use sound to locate objects under water.  - What animals use sonar?  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | **Gases:**  - Most of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ we hear travel through \_\_\_\_\_\_\_\_\_\_\_\_\_\_, such as air.  - Sound waves travel \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ through the air.  - For example: Sound from a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, a horn, or an alarm clock travels through the air. |

1. [I need a review.] BrainPop Video: Sound. With a small group, watch the BrainPop Video: sound, then each person will complete the activity sheet.
2. [I’m ready to practice.] Sound Art: Draw a scene with sound interactions labeled within. Include sound waves in solids, liquids, and gases.
3. [I’m ready for a challenge.] BrainPop Timeline: Sound- Time Zone X. Draw a timeline with at least 5 boxes and fill in as you complete the timeline. Include: Who? What? When?