

Name:

Grade: 4

Subject: Science

Date:

Lessons: Sound and Light

Match the terms with their definitions.

- **Directions:** Use a word from the word bank to complete the sentences below.

Sound energy	Vibration	Sound wave	Medium
LiDAR	Electromagnetic Spectrum	Solar cells	Motion

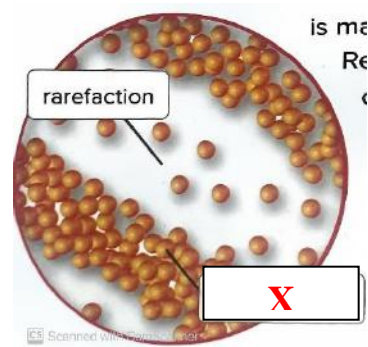
1. is a type of **energy** produced by **vibrations** of material.
2. The **back and forth** motion is called
3. A transfers through a material and spreads **outwards in all directions** from a **vibration**.
4. The substance through which **waves travel** is called
5. are devices that use **light** from the **Sun** to produce **electricity**.
6. The different **forms of radiation** all together is called
7. is a combination of the words "**light**" and "**radar**".

- **Which of the following statements about sound is correct?**

1. Sound travels fastest through solid and lowest through gas.
2. Sound travels fastest through liquid and lowest through solid.
3. Sound travels fastest through gas and lowest through liquid.
4. Sound travels fastest through gas and lowest through solid.

- The image below represents a close look at the sound wave. Which of the following represents the letter (X)?

1. Compression.
2. peak.
3. Dip
4. Vibration



- Which of the following is the source of solar energy that is used to produce electricity?

1. Sun
2. Air
3. Water
4. Wind

- Energy from the sun can be used directly to:

1. Water heating
2. Making sound
3. Water cooling
4. Making ice