

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Answer Key: Vibrations and Shadows: 1st Grade Sound and Light Quiz

Young learners identify sources of illumination and the cause of sound across 10 questions focused on observable physical phenomena.

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**1. What is happening to a bell when it makes a 'ding' sound?**

**Answer:** B) It is shaking very fast

Sound is made by vibrations, which are very fast shaking movements.

**2. A \_\_\_\_ is what we see on the ground when an object blocks the sunlight.**

**Answer:** C) Shadow

Shadows are formed when an object stops light from passing through.

**3. True or False: We need light to see things around us.**

**Answer:** A) True

Without a light source, our eyes cannot see the objects in a room.

**4. Which of these is a natural source of light?**

**Answer:** C) The Sun

The Sun is a natural light source that shines on the Earth.

**5. If you want to make a sound with a drum, what do you have to do?**

**Answer:** B) Hit or tap it

Hitting the drum makes it vibrate, which creates the sound you hear.

**6. True or False: Sound can travel through a closed door.**

**Answer:** A) True

Sound waves can travel through solid objects like doors, though they might sound quieter.

**Name:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**7. Materials that let all light pass through them are called \_\_\_\_.**

**Answer:** B) Clear

Clear (transparent) materials like glass allow light to travel right through them.

**8. How can you make the sound of your voice higher?**

**Answer:** C) By singing like a bird

Pitch describes how high or low a sound is; bird-like sounds have a high pitch.

**9. To communicate over a long distance, people use \_\_\_\_ to send signals.**

**Answer:** A) Light

Light (like traffic lights or lighthouses) is used to send information across distances.

**10. True or False: You can hear sound in a place with no air.**

**Answer:** B) False

Sound needs something to travel through, like air or water, to reach our ears.