

Name: _____ Date: _____

Wrangle the Wonders of Sound and Light: 1st Grade Science Quiz

Can you hear a whisper or see through a glass of water? Investigate how vibrations make noise and how light travels to our eyes.

1. If you touch a large drum while it is making a loud 'boom,' what will your fingers feel?

- A. The drum feeling very cold
- B. Small shaking moves called vibrations
- C. The drum turning into liquid
- D. Nothing at all

2. True or False: Light can pass through a dark wooden door.

- A. True
- B. False

3. In a dark room with no windows, you need a _____ to help your eyes see the toys on the floor.

- A. Blanket
- B. Pillow
- C. Light source
- D. Rug

4. You put a straw in a glass of water and it looks like it is broken or bent. Why does this happen?

- A. The water is too cold
- B. The straw actually snapped
- C. Light bends when it moves through water
- D. The glass is dirty

5. True or False: A high-pitched sound, like a bird chirping, comes from something vibrating very slowly.

- A. True
- B. False

6. When you stand in the sun, your body blocks the light and creates a dark _____ on the ground.

- A. Rainbow
- B. Shadow
- C. Circle
- D. Reflection

7. Which of these objects would be the best at reflecting light so you can see your face?

- A. A fuzzy sweater
- B. A piece of cardboard
- C. A shiny metal spoon

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D. A clear window

8. To make a sound quieter, you should vibrate an object with _____ energy.

- A. Less
- B. More
- C. Hot
- D. Electric

9. True or False: We can hear sound even if we are underwater in a swimming pool.

- A. True
- B. False

10. What happens when you speak into a long plastic tube or pipe?

- A. The sound disappears
- B. The sound waves travel through the tube to the other end
- C. The tube turns into light
- D. Your voice gets lower automatically