

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

## Bending Beams and Silly Shadows: A 1st Grade Light Detective Quiz

Junior scientists trace glowing paths and predict how objects block or bend rays while solving everyday light puzzles.

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**1. Imagine you are in a dark room with a flashlight. Where must you point the light to see your favorite teddy bear?**

- A. At the ceiling
- B. At your feet
- C. Directly at the bear
- D. Behind your back

**2. Light travels in a curvy, wiggly line like a snake.**

- A. True
- B. False

**3. When you see your face in a shiny metal spoon, the light is \_\_\_ off the surface.**

- A. Bouncing
- B. Breaking
- C. Hiding
- D. Stopping

**4. Why does a swimming pool look shallower than it really is when you look down into the water?**

- A. The water is magic
- B. Light bends when it moves from water to air
- C. The pool floor is moving
- D. There is no light in the water

**5. A pair of \_\_\_ helps people see clearly by bending light so it hits their eyes just right.**

- A. Earrings
- B. Sunglasses
- C. Eyeglasses
- D. Headphones

**6. A shadow is created when an object blocks light from passing through.**

- A. True
- B. False

**7. If you shine a light through a clear glass of juice, the light will:**

- A. Turn into a ball
- B. Pass through and bend

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- C. Disappear forever
- D. Turn into a shadow

**8. To make a shadow on the wall get BIGGER, you should move your hand \_\_\_ the light source.**

- A. Closer to
- B. Further from
- C. Underneath
- D. Away from

**9. Which of these objects would be best for reflecting light like a mirror?**

- A. A fuzzy sweater
- B. A piece of wood
- C. A shiny silver tray
- D. A bumpy rock

**10. A magnifying glass makes bugs look bigger because it bends light.**

- A. True
- B. False