

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

## Your Mission with the Sunbeams: An Optics Quest for 2nd Grade

Stop the shadows and track the glow by matching everyday objects to how they handle light in this quick discovery challenge.

---

**1. Imagine you are wearing a pair of dark sunglasses. What do the lenses do to the bright sunlight?**

- A. They block some of the light so it is not too bright.
- B. They make the sun turn into a moon.
- C. They create a snack for you.
- D. They turn the light into water.

**2. When you shine a flashlight on a shiny metal spoon, the light \_\_\_\_ off the surface and hits the wall.**

- A. disappears
- B. bounces
- C. melts
- D. sleeps

**3. True or False: A glass window lets light pass all the way through so you can see outside.**

- A. True
- B. False

**4. Which of these objects would be best to use if you wanted to see your own reflection?**

- A. A fuzzy teddy bear
- B. A piece of black paper
- C. A shiny silver tray
- D. A wooden block

**5. A shadow is created when an object \_\_\_\_ the path of light.**

- A. helps
- B. blocks
- C. cleans
- D. colors

**6. True or False: Light travels in a curvy, wiggly line like a snake.**

- A. True
- B. False

**7. If you look through a magnifying glass at a tiny bug, what happens to the way the bug looks?**

- A. The bug looks smaller.
- B. The bug looks blue.
- C. The bug looks bigger.

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

D. The bug disappears.

**8. True or False: You can see things in a pitch-black room with no light at all.**

- A. True
- B. False

**9. When light hits a puddle of water, you might see the sky in the water. This is an example of \_\_\_\_.**

- A. reflection
- B. heating
- C. melting
- D. gravity

**10. What is our biggest and most important source of light during the daytime?**

- A. A campfire
- B. A lightbulb
- C. The Sun
- D. The Moon