

Name: _____ Date: _____

Answer Key: Finding Nemo's Hidden Light: A 1st Grade Optics Quest

Identify how light moves through water and bounces off shiny objects using simple daily life scenarios and interactive visual recognition.

1. What does light do when it hits a shiny gold coin at the bottom of a pool?

Answer: B) It bounces off the coin

Reflection happens when light hits a smooth, shiny surface and bounces back to our eyes.

2. True or False: Light helps us see the bright colors of a tropical fish.

Answer: A) True

We need light to see objects and their colors; without light, everything would be dark.

3. A pair of _____ helps a person see tiny words in a book more clearly.

Answer: B) glasses

Glasses use special lenses to bend light so that our eyes can see things more sharply.

4. If you are standing in a dark cave with no flashlight, what will you see?

Answer: C) Nothing at all

Our eyes require light to see any objects or shapes around us.

5. True or False: A metal spoon can act like a mirror and show your reflection.

Answer: A) True

Smooth metal surfaces reflect light, allowing us to see a version of ourselves.

6. When light passes through a window, it is _____ so we can see outside.

Answer: B) traveling

Light travels through clear materials like glass, which lets us see what is on the other side.

Name: _____ Date: _____

7. What do we call the dark shape made when your body blocks the sunlight?

Answer: B) A shadow

Shadows are formed when an object gets in the way of light rays.

8. Fireflies are special because they can _____ their own light in the dark.

Answer: A) make

Some things, like the sun or fireflies, are light sources that create their own light.

9. True or False: Light always travels in a wiggly, curvy line like a snake.

Answer: B) False

Light travels in straight lines until it hits something or moves into a different material.

10. Which of these is a way that light helps us every day?

Answer: C) It helps us see traffic lights

We use our sense of sight to see lights that give us important information, like when to stop or go.