

Grade 4 Science Worksheet: Sources and Properties of Light_1
(DifficultyLevel: Advance)

Name: _____

Date: _____

Section 1: Fill in the Blanks

1. The Sun is a _____ source of light, while a candle is a _____ source of light.
 2. Light travels in _____ lines, which are called rays.
 3. A mirror reflects light because it has a _____ surface.
 4. A prism splits white light into _____ colors.
 5. Objects that do not produce their own light but reflect it are called _____ objects.
-

Section 2: Short Answer Questions

1. What is the difference between luminous and non-luminous objects? Give one example of each.

 2. Why is the Sun considered the main source of light on Earth?

 3. What happens to light when it passes through water or glass?

 4. How does a prism separate light into different colors?

 5. Why do dark-colored materials feel warmer in sunlight than light-colored materials?

-

Section 3: Multiple-Choice Questions (MCQs)

1. **Light bounces back from a shiny surface because of:**
 - a) Refraction
 - b) Reflection

- c) Absorption
 - d) Dispersion
2. **Which of these is NOT a natural source of light?**
- a) Fireflies
 - b) Stars
 - c) Electric bulb
 - d) Sun
3. **What happens when light hits a smooth and shiny surface?**
- a) It is absorbed
 - b) It bends
 - c) It reflects
 - d) It disappears
-

-BE THE CHAMPION-