

**Grade 4 Science Worksheet: Sources and Properties of Light\_4**  
**(DifficultyLevel: Advance)**

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

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

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**Section 1: Fill in the Blanks**

1. A mirror reflects light due to its \_\_\_\_\_ surface.
  2. Light passing through a prism shows the \_\_\_\_\_ of colors.
  3. Objects that block light completely are called \_\_\_\_\_ objects.
  4. The Sun provides both light and \_\_\_\_\_.
  5. Plants use light to prepare their food through the process of \_\_\_\_\_.
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**Section 2: Short Answer Questions**

1. What is the role of light in the process of photosynthesis?

\_\_\_\_\_

2. Why does a white shirt feel cooler than a black shirt in sunlight?

\_\_\_\_\_

3. How does light allow us to see objects around us?

\_\_\_\_\_

4. Name two uses of artificial light sources in daily life.

\_\_\_\_\_

5. Explain how shadows are formed when light hits an object.
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**Section 3: Multiple-Choice Questions (MCQs)**

1. **Which of these objects is luminous?**
  - a) Moon
  - b) Star
  - c) Book

- d) Table
2. **What happens when light passes through a transparent material?**
- a) It is absorbed
  - b) It passes through without scattering
  - c) It reflects back
  - d) It disappears
3. **Which part of the rainbow has the longest wavelength?**
- a) Red
  - b) Blue
  - c) Green
  - d) Violet

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**-BE THE CHAMPION-**