

**Grade 4 Science Worksheet: Sources and Properties of Light\_1**  
**(DifficultyLevel: Intermediate)**

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

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

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**Section 1: Fill in the Blanks**

1. Light travels in straight paths called \_\_\_\_\_.
  2. When light bounces back from a shiny surface, it is called \_\_\_\_\_.
  3. A \_\_\_\_\_ splits white light into seven colors.
  4. The bending of light as it passes through glass is called \_\_\_\_\_.
  5. Dark colors \_\_\_\_\_ more light, while light colors \_\_\_\_\_ more light.
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**Section 2: Multiple Choice Questions (MCQs)**

1. **What is the main natural source of light on Earth?**
  - a) Moon
  - b) Sun
  - c) Stars
  - d) Fire
2. **Which of these is NOT a property of light?**
  - a) Reflection
  - b) Refraction
  - c) Absorption
  - d) Evaporation
3. **What happens when light hits a mirror?**
  - a) It bends
  - b) It reflects
  - c) It disappears
  - d) It absorbs
4. **Which of the following is a luminous object?**
  - a) Table
  - b) Candle flame
  - c) Moon
  - d) Shadow
5. **What colors make up white light?**
  - a) Green and blue
  - b) Red, orange, yellow, green, blue, indigo, violet

- c) Pink and purple
  - d) Black and white
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### **Section 3: Short Answer Questions**

1. What is the difference between natural and artificial sources of light? Give two examples of each.

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2. Explain how refraction occurs with an example.

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3. Why does a pencil appear bent when placed in a glass of water?

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4. What are luminous and non-luminous objects? Provide one example of each.

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5. How does light help plants grow?
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### **Bonus Fun Activity:**

#### **Try This!**

Shine a flashlight at a mirror and observe how the light bounces back. Describe what you see and explain why this happens.

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**-BE THE CHAMPION-**