

Grade 4 Science Worksheet: Sources and Properties of Light_4 (DifficultyLevel: Intermediate)

Name: _____

Date: _____

Section 1: Fill in the Blanks

1. A flashlight demonstrates that light travels in a _____ line.
 2. The _____ helps us see our reflection in a mirror.
 3. Dark colors _____ more light, while light colors _____ it.
 4. A rainbow is formed due to the _____ of light.
 5. _____ light is made up of seven colors.
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Section 2: Multiple Choice Questions (MCQs)

1. **What can be used to split light into colors?**
 - a) Prism
 - b) Mirror
 - c) Glass of water
 - d) All of the above
2. **Which of these shows absorption of light?**
 - a) A white shirt in sunlight
 - b) A black shirt getting hot in the sun
 - c) Light reflecting off a mirror
 - d) A shadow on the ground
3. **What happens to light in a dark room?**
 - a) It reflects everywhere
 - b) It disappears
 - c) It gets absorbed by objects
 - d) It doesn't travel
4. **What is an example of light being bent?**
 - a) Light shining on a mirror
 - b) A straw looking bent in water
 - c) Shadows forming behind objects
 - d) Light being absorbed by black paper
5. **Which is an application of reflection?**
 - a) Reading glasses
 - b) Telescope

- c) Microscope
 - d) All of the above
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Section 3: Short Answer Questions

1. How does a prism show that light is made of colors?

2. Why do we feel warmer in dark-colored clothes on sunny days?

3. How do telescopes use light to help us see distant objects?

4. Explain how shadows are formed.

5. Why do we use mirrors in cars?

Bonus Fun Activity:

Try This!

Shine a flashlight through a glass of water and onto a white wall. Observe and describe any patterns or colors that appear.

-BE THE CHAMPION-