

Refraction: Bending Light

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Understanding the Behavior of Light

Name: _____

Date: _____

Answer the following questions about light and refraction.

1. What is the process called when light bends?

- A. Reflection
- B. Refraction
- C. Refraction and Reflection

2. Light changes speed when entering different ____.

3. Why do you think God created light to bend?

4. Draw a line from each effect to its cause.

Rainbows

Refraction

Pencil in water

Reflection

5. What can create amazing effects like rainbows?

- A. Light bending
- B. Shadow forming
- C. Light disappearing

6. God covers Himself with light as with a ____.

7. Describe one experiment that demonstrates refraction.

8. What happens to light when it passes through water?

- A. It travels faster
- B. It bends
- C. It disappears

9. Different materials bend light in ____.

10. Where have you seen light bending before?

Answer Key

1. Refraction 2. materials 3. To create beautiful things like rainbows and to show His creativity. 4. Refraction 5. Light bending 6. garment 7. The pencil refraction experiment where a pencil looks broken in water. 8. It bends 9. different ways 10. In a glass of water or through a prism.