

Reflection: Bouncing Light Review

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Understanding Light Waves

Name: _____

Date: _____

Answer the following questions based on what you've learned about light reflection.

1. What did we learn about how light reflects off surfaces?

2. What happens when light hits a smooth surface?

- A. It disappears
- B. It bounces at the same angle it arrives
- C. It changes color

3. Mirrors are not effective at showing light reflection.

- True False

4. Light always travels in _____.

5. How can understanding light reflection help us in everyday life?

6. According to Proverbs 8:22-23, when was God's wisdom set up?

- A. Before the earth existed
- B. After the earth was created
- C. At the same time as creation

7. Light reflects in an unpredictable way like God's laws.

- True False

8. Just as light follows predictable laws, God's wisdom is _____ and intentional in creation.

9. What is one surface that reflects light perfectly?

- A. A rough wall
- B. A piece of paper
- C. A mirror

10. What surfaces might reflect light differently?

Answer Key

1. Light reflects off surfaces at the same angle it hits them, following the law of reflection. 2. It bounces at the same angle it arrives 3. False 4. straight lines 5. Understanding light reflection helps us use mirrors effectively and appreciate how light works in nature. 6. Before the earth existed 7. False 8. orderly 9. A mirror 10. Different surfaces like water, glass, or sand can reflect light in various ways due to their texture.