

# Light Waves and Materials

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## Understanding Transparent, Translucent, and Opaque

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

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

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

1. What is a characteristic of transparent materials?

- A. They block light completely
- B. Light passes completely through them
- C. They let some light through but not all

2. Translucent materials allow light to pass \_\_\_\_ through them.

3. What are two examples of opaque materials, and why are they important?

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4. Opaque materials allow light to pass through completely.

- True       False

5. Which of the following is an example of a translucent material?

- A. Clear glass
- B. Wax paper
- C. Cardboard

6. How does understanding light transmission help us in observing God's creation?

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7. Translucent materials block all light.

- True       False

8. Materials that do not let light pass through are called \_\_\_\_.

9. According to 2 Corinthians 4:6, what has God given us?

- A. The knowledge of science
- B. The light of the knowledge of God's glory
- C. The ability to see light

10. Why do you think God created materials with different properties regarding light?

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### Answer Key

1. Light passes completely through them   2. partially   3. Cardboard and wood are opaque. They are important because they can block light and provide privacy.   4. False   5. Wax paper   6. It helps us see how different materials work with light, showing us the beauty of God's design.   7. False   8. opaque   9. The light of the knowledge of God's glory   10. God created materials differently to show His creativity and to help us understand light in various ways.

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