

# Circuit Diagrams: The Language

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## Understanding Symbols and Their Meanings

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

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

Answer the following questions based on the lesson about circuit diagrams.

1. What does a battery symbol represent in a circuit diagram?

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2. Wire lines in a circuit diagram show electrical connections.

True  False

3. What does the bulb symbol indicate in a circuit diagram?

- A. Where energy is stored
- B. Where energy is transformed
- C. Where energy is lost

4. A circuit diagram is a tool used for \_\_\_\_ communication in engineering.

5. How are circuit diagrams like a secret language? Explain in your own words.

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6. Engineers can use any symbols they want when creating circuit diagrams.

True  False

7. Why do engineers use standard symbols in circuit diagrams?

- A. To confuse others
- B. To ensure clarity and communication
- C. To make diagrams look pretty

8. To show a complete circuit, we connect the \_\_\_\_ to the battery.

9. What is one way to develop precision in technical drawing, according to the lesson?

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10. According to 1 Corinthians 14:40, God values orderliness in our lives and work.

True  False

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### Answer Key

1. The battery symbol represents the electrical source for the circuit. 2. True 3. Where energy is transformed 4. technical 5. Circuit diagrams use symbols that represent different parts, making it easier to understand complex circuits. 6. False 7. To ensure clarity and communication 8. bulb 9. By carefully using standard symbols and ensuring they are drawn correctly. 10. True