

# Electricity Basics Review

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## Understanding Switches and Electrical Circuits

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

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

Answer the following questions based on the lesson about switches and electrical current.

1. What happens when you close a switch?

- A. Electricity cannot flow
- B. Electricity flows freely
- C. The circuit breaks

2. How is a switch like a gate? Explain in your own words.

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3. When a switch is open, electricity can flow through the circuit.

- True       False

4. A switch can be compared to a gate because it can \_\_\_\_ or \_\_\_\_ the electrical path.

5. Why is it important to have switches in our homes?

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6. Which scripture reminds us to submit to God?

- A. James 4:7
- B. Genesis 1:1
- C. Philippians 4:13

7. Switches can help prevent electrical accidents.

- True       False

8. Switches control electrical flow by either completing or \_\_\_\_ the circuit.

9. Describe one way you might use a switch in a simple circuit project.

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10. What is one way that God's design is shown through switches?

- A. They are colorful
- B. They control choices
- C. They are made of metal

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### Answer Key

1. Electricity flows freely   2. A switch controls the flow of electricity like a gate controls who can enter or exit a space.   3. False   4. open, close   5. Switches help us control electricity, making it safer and easier to use.   6. James 4:7   7. True   8. breaking   9. I would use a switch to turn a light on and off in a circuit I build.   10. They control choices