

# Building Simple Circuits Review

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## Understanding Electricity Basics

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

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

Answer the following questions based on what we learned about circuits.

1. What happens if we don't connect all parts of our circuit?

- A. The light will turn on
- B. The light will turn off
- C. The light will blink

2. Electricity needs a complete \_\_\_\_ to flow.

3. How do electrons move in a circuit?

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4. Match the part of the circuit with its function.

Battery

Provides energy

Light Bulb

Produces light

5. What made our light turn on during the activity?

- A. The battery was connected
- B. The wires were broken
- C. The bulb was too big

6. A break in the path stops the \_\_\_\_ from flowing.

7. Why is it important to have a complete circuit?

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8. How is a circuit like a race track for electrons?

- A. Electrons can only go in one direction
- B. Electrons race around the track
- C. Electrons need barriers to move

9. In all things, God holds everything together, as it says in \_\_\_\_ 1:17.

10. What do you think God's design in energy systems teaches us?

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### Answer Key

1. The light will turn off 2. path 3. Electrons move from the negative terminal to the positive terminal. 4. Provides energy 5. Produces light 6. electricity 7. A complete circuit allows electricity to flow and power the light. 8. Electrons race around the track 9. Colossians 10. It shows us that everything is connected and works together.