

Circuit Design Challenge Review

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Understanding Circuits and God's Design

Name: _____

Date: _____

Answer the following questions based on what you've learned about circuits and their connection to God's creation.

1. What is a key feature of a series circuit?

- A. It has multiple paths for electricity
- B. It creates a single path for electricity
- C. It uses batteries only

2. How does God's design relate to the way circuits function?

3. In a parallel circuit, electricity can flow through ____ paths.

4. Series circuits can continue to function if one part fails.

- True False

5. What scripture reminds us that God holds everything together?

- A. John 3:16
- B. Colossians 1:17
- C. Genesis 1:1

6. What was one challenge you faced while designing your circuit, and how did you solve it?

7. A circuit that has only one path for electricity is called a ____ circuit.

8. Parallel circuits are less flexible than series circuits.

- True False

9. Which circuit design would you use if you wanted to ensure that if one light goes out, others still work?

- A. Series circuit
- B. Parallel circuit
- C. Both

10. In what ways can understanding circuits help us appreciate God's creation?

Answer Key

1. It creates a single path for electricity 2. God's design shows that everything has a purpose, just like each part of a circuit is needed for it to work. 3. multiple 4. False 5. Colossians 1:17 6. I had trouble connecting the wires, so I checked the connections and made sure they were secure. 7. series 8. False 9. Parallel circuit 10. Understanding circuits helps us see how everything is connected, showing God's intricate design in nature.
