Understanding Parallel Circuits

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Review of Lesson on Multiple Paths

Name: _____ Date: _____

Answer the following questions based on what you learned about parallel circuits.

1. What is a key feature of parallel circuits compared to series circuits?

- **A.** They have only one path for current
- **B.** They create multiple paths for current
- **C.** They require more batteries

2. How do parallel circuits demonstrate independence among components?

3. In a parallel circuit, if one bulb is removed, the others will also go out.

◯ True ◯ False

4. Parallel circuits allow for _____ paths for electrical current.

5. What happens to the brightness of bulbs in a parallel circuit when one is removed?

- **A.** All bulbs go out
- **B.** The remaining bulbs stay bright
- **C.** They become dimmer

6. Why might parallel circuits be useful in everyday life?

7. Each component in a parallel circuit receives full voltage from the battery.

◯ True ◯ False

8. The verse 1 Corinthians 12:12 shows that many parts can work together in _____ like a parallel circuit.

9. Where can you find examples of parallel circuits in your home?

- **A.** In a single-light lamp
- **B.** In the wiring of multiple lights
- **C.** In a battery-operated toy

10. What did you learn about God's design from the concept of parallel circuits?

Answer Key

1. They create multiple paths for current 2. In parallel circuits, if one bulb goes out, the others stay lit. This shows that each path works on its own. 3. False 4. multiple 5. The remaining bulbs stay bright 6. They provide reliability because if one device fails, others can still work. This is important in homes and appliances. 7. True 8. unity 9. In the wiring of multiple lights 10. I learned that just like how different parts of a circuit work together, God designed us to work together in unity, just like the body of Christ.