**Name:**

**Date:**

**School:**

**Facilitator:**

8.05 Parallel Circuits Questions

**Answer the following questions based on what you learned in lesson 8.05 on parallel circuits.**

1. Describe a parallel circuit.

1. In a parallel circuit containing 3 light bulbs, what happens to the other two bulbs when one goes out?

1. In a parallel circuit, the total current is equal to      .
2. In a parallel circuit, voltage is       (same/different) across each component.
3. The total resistance is       (less/more) than the resistance of one resistor alone.
4. How does the brightness of bulbs in a series circuit compare to those in a parallel circuit?

1. How does the battery life in a series circuit compare to that in a parallel circuit?