

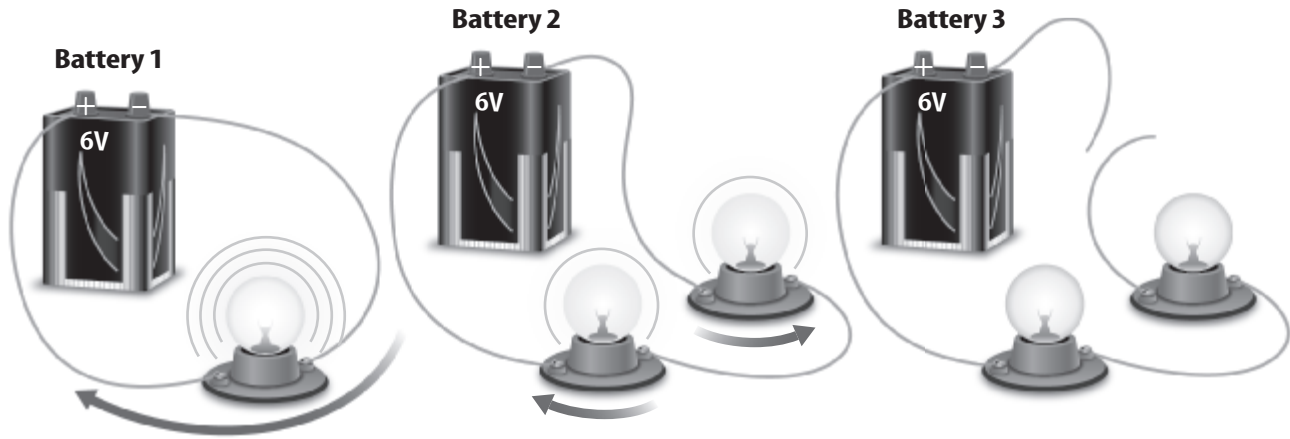
**Key Concept Builder** 

**LESSON 3**

**Describing Circuits**

**Key Concept** How do the two types of electric circuits differ?

**Directions:** Use the diagram to answer each question on the lines provided.



1. Why is this a series circuit?

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2. What effect does adding bulbs to the circuit have on electric resistance?

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3. Why is it better to have several bulbs on a string of holiday lights?

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4. Which battery is an example of an open circuit? Why?

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5. What would happen to the lights in this circuit if one of them failed? Why?

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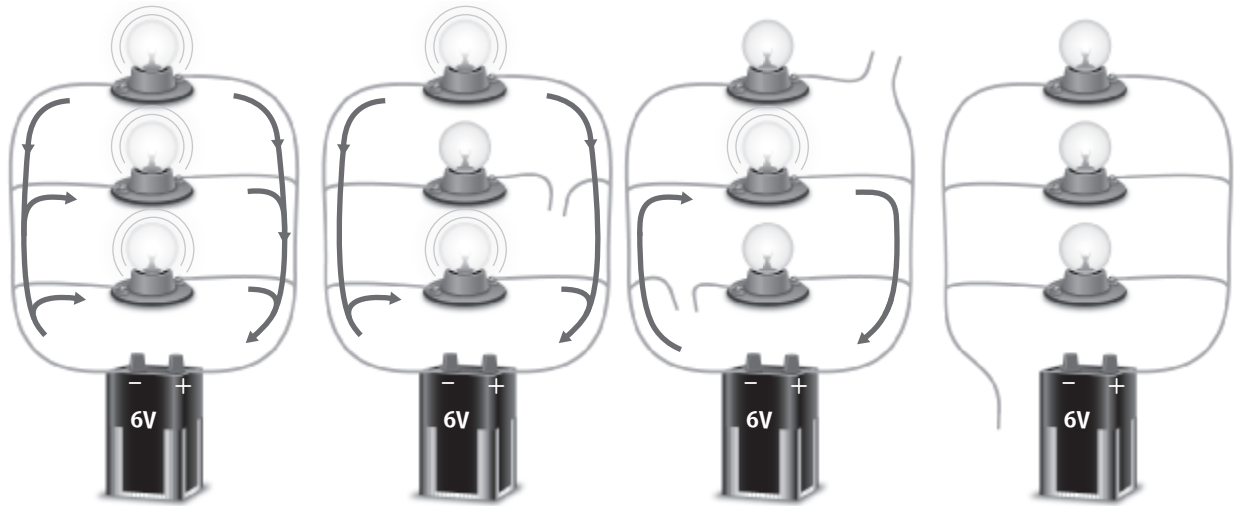
**Key Concept Builder** 

**LESSON 3**

***Describing Circuits***

**Key Concept** How do the two types of electric circuits differ?

**Directions:** Use the diagram to answer each question on the lines provided.



1. How does a parallel circuit differ from a series circuit?

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2. What happens to the total amount of current flowing through the circuit as additional devices are added to the circuit?

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3. What would have to be done to the circuit shown to change it from a parallel circuit to a series circuit?

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4. Why are parallel circuits used in the wiring of a home instead of a series circuit?

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