Batteries in Series and Parallel

**Series**

1. When you wire the batteries in series, what happens to the bulb’s brightness?

______________________________________________________________________________
______________________________________________________________________________

2. In the series connection the positive terminal on one battery connects to the ______________ terminal of the next battery.

3. What happens when one of the batteries is removed from the circuit?

______________________________________________________________________________

4. Describe the flow of electricity through the circuit.

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______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________

5. Does connecting two or more batteries in series provide more current than one battery? ________________________________________________________________


**Parallel**

1. When you wire batteries in parallel, what happens to the bulb’s brightness?

______________________________________________________________________________

2. In the parallel circuit the positive terminal of one battery connects to the _________ terminal of the next battery and the negative terminal connects to the _________.

3. What happens when one of the batteries is removed from the circuit?

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4. Describe the flow of electricity through the circuit.

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5. Does connecting two batteries in parallel give more electricity than one battery? Explain.

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