

electricity and magnetism

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.

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?

4. Describe the flow of electricity through the circuit.

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