

Name _____

What is Voltage, and How Does It Affect Electricity?

Short Answer Key

1. Example answers may include higher voltage making a light bulb shine brighter and lower voltage resulting in dimmer light.
2. Voltage creates a potential difference that pushes electrons to flow from the higher voltage side to the lower voltage side, completing the circuit.
3. According to Ohm's Law, voltage (V) equals current (I) multiplied by resistance (R), expressed as $V = I \times R$.
4. Understanding voltage is important for safely using electrical devices, preventing electrical shocks, and ensuring devices operate correctly.
5. Common voltage sources include batteries, power outlets, and generators.

