

Name \_\_\_\_\_

## What is Voltage, and How Does It Affect Electricity?

### Multiple Choice Questions

1. What is voltage often described as?

- a) Electrical resistance
- b) Electrical pressure
- c) Electrical current
- d) Electrical capacitance

2. What role does voltage play in an electric circuit?

- a) It stores electrical energy
- b) It determines the resistance of the circuit
- c) It provides the push for electrons to move
- d) It measures the speed of electrical devices

3. Who is Alessandro Volta, and why is he significant in the study of electricity?

- a) An Italian chef who discovered voltage in food
- b) An Italian physicist known for his contributions to understanding voltage
- c) An Italian inventor of the first light bulb
- d) An Italian painter famous for electrical-themed artworks

4. How is voltage measured in electrical circuits?

- a) In volts (V)
- b) In ohms ( $\Omega$ )
- c) In watts (W)
- d) In amps (A)

5. What does Ohm's Law describe?

- a) The relationship between voltage and brightness in light bulbs
- b) The relationship between voltage, current, and resistance in a circuit
- c) The relationship between voltage and speed of electrical devices
- d) The relationship between voltage and safety measures in electrical circuits

