



Current Electricity

Topic: Current Electricity

Name: _____

Date: _____

Score: _____ / 15

Practice Questions

*Circle the correct answer for each question.***1. What is electric current?**

- A) The rate of flow of electric charge
B) The resistance in a circuit
C) The energy stored in a battery
D) The voltage across a resistor

2. What is the SI unit of electric current?

- A) Volt
B) Ampere
C) Ohm
D) Watt

3. What is the SI unit of electrical resistance?

- A) Ohm
B) Ampere
C) Volt
D) Coulomb

4. What is the SI unit of potential difference (voltage)?

- A) Ampere
B) Ohm
C) Volt
D) Watt

5. What instrument measures electric current in a circuit?

- A) Voltmeter
B) Ammeter
C) Thermometer
D) Barometer

6. What instrument measures potential difference (voltage) across a component?

- A) Ammeter
B) Voltmeter
C) Ohmmeter only
D) Barometer

7. In a simple circuit, how is an ammeter connected?

- A) In series with the component
B) In parallel with the component
C) It is never connected directly to a circuit
D) Across the battery only

8. In a simple circuit, how is a voltmeter connected?

- A) In series with the component
B) In parallel with the component
C) It replaces the battery
D) It is connected to the switch only

Diagram

Study the diagram below.