



Electricity and Magnetism

Name: _____

Date: _____

Grade: Grade 3

Part A: Fill in the Blank

Write the missing word or number on each line.

1. In a simple circuit, the _____ is the source of electrical energy.
2. Electricity moves from the battery through the _____ to the bulb.
3. When you flip a _____ off, the circuit becomes open and the bulb goes dark.
4. A bulb lights up because electrical energy changes into _____ and heat.
5. If any wire in a circuit is broken, the circuit is _____.
6. A metal paper clip can close a broken circuit because metal is a good _____.
7. A rubber eraser in a circuit would act like an _____ and stop the flow.
8. A circuit with a battery, wire, and bulb all connected is a _____ circuit.
9. The plastic around a wire is there to keep you safe because it is an _____.

Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Battery	→ _____	Source of electrical energy in a circuit
Wire	→ _____	Thin metal path that carries electricity
Bulb	→ _____	Part that changes electricity into light
Switch	→ _____	Control that opens or closes a circuit

Part A: Fill in the Blank

Write the missing word or number on each line.

1. In a simple circuit, the battery is the source of electrical energy.
2. Electricity moves from the battery through the wires to the bulb.
3. When you flip a switch off, the circuit becomes open and the bulb goes dark.
4. A bulb lights up because electrical energy changes into light and heat.
5. If any wire in a circuit is broken, the circuit is open .
6. A metal paper clip can close a broken circuit because metal is a good conductor .
7. A rubber eraser in a circuit would act like an insulator and stop the flow.
8. A circuit with a battery, wire, and bulb all connected is a closed circuit.
9. The plastic around a wire is there to keep you safe because it is an insulator .

Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Battery	→	<u>Source of electrical energy in a circuit</u>	Source of electrical energy in a circuit
Wire	→	<u>Thin metal path that carries electricity</u>	Thin metal path that carries electricity
Bulb	→	<u>Part that changes electricity into light</u>	Part that changes electricity into light
Switch	→	<u>Control that opens or closes a circuit</u>	Control that opens or closes a circuit