Electricity and Magnetism

Name: _____ Date: _____ Grade: Grade 3

Part A: Fill in the Blank

Write the missing word or number on each line.

1. A _____ circuit has no gaps so electricity flows all the way around.
2. An _____ circuit has a break, so the bulb will not light.
3. A material that lets electricity flow through it is called a _____ .
4. A material that stops electricity from flowing is called an _____ .
5. A _____ can open or close a circuit by pressing or flipping it.
6. Copper is a metal that is a very good _____ of electricity.
7. Wires are usually covered with plastic to act as an _____ .
8. The part of a circuit that gives off light is the _____ .
9. A _____ is the power source that pushes electricity around a circuit.

Part B: Matching

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

1. Match each item to its correct answer.

Closed circuit	→ _____	A complete loop where electricity flows
Open circuit	→ _____	A broken path so the bulb stays off
Conductor	→ _____	Copper wire that carries electricity
Insulator	→ _____	Rubber that stops electricity from passing

Part A: Fill in the Blank

Write the missing word or number on each line.

1. A **closed** circuit has no gaps so electricity flows all the way around.
2. An **open** circuit has a break, so the bulb will not light.
3. A material that lets electricity flow through it is called a **conductor**.
4. A material that stops electricity from flowing is called an **insulator**.
5. A **switch** can open or close a circuit by pressing or flipping it.
6. Copper is a metal that is a very good **conductor** of electricity.
7. Wires are usually covered with plastic to act as an **insulator**.
8. The part of a circuit that gives off light is the **bulb**.
9. A **battery** is the power source that pushes electricity around a circuit.

Part B: Matching

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

1. Match each item to its correct answer.

Closed circuit	→ **A complete loop where electricity flows**	A complete loop where electricity flows
Open circuit	→ **A broken path so the bulb stays off**	A broken path so the bulb stays off
Conductor	→ **Copper wire that carries electricity**	Copper wire that carries electricity
Insulator	→ **Rubber that stops electricity from passing**	Rubber that stops electricity from passing