



Electricity and Circuits

Name: _____

Date: _____

Grade: Grade 4

Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: A light switch works by keeping the circuit closed at all times so the light stays on.

Rewrite: _____

2. Fix the sentence: Wood and metal are both good conductors of electricity used in building circuits.

Rewrite: _____

3. Fix the sentence:

Electricity flows through a circuit in both directions at the same time like water in a lake.

Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

1. A _____ is used to open and close a circuit.
2. Copper is used in wires because it is an excellent _____.
3. Plastic coating on wires is an _____ that keeps people safe.
4. The flow of electricity through a wire is called electric _____.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Name three materials that are good conductors and three that are good insulators.

2. Explain why a flashlight stops working when you remove one battery.

Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: A light switch works by keeping the circuit closed at all times so the light stays on.

Rewrite: A light switch works by opening and closing the circuit; flipping it on closes the circuit so electricity flows and the light turns on.

2. Fix the sentence: Wood and metal are both good conductors of electricity used in building circuits.

Rewrite: Metal is a good conductor used in circuits, but wood is an insulator that does not let electricity flow easily.

3. Fix the sentence:

Electricity flows through a circuit in both directions at the same time like water in a lake.

Rewrite: In a simple direct-current circuit, electricity flows in one direction around the loop, from one terminal of the battery to the other.

Part B: Fill in the Blank

Write the missing word or number on each line.

1. A switch is used to open and close a circuit.
2. Copper is used in wires because it is an excellent conductor.
3. Plastic coating on wires is an insulator that keeps people safe.
4. The flow of electricity through a wire is called electric current.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Name three materials that are good conductors and three that are good insulators.

Good conductors include copper, aluminum, and iron. Good insulators include rubber, plastic, and glass. Conductors let electricity pass through while insulators block it.

2. Explain why a flashlight stops working when you remove one battery.
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