

ELECTRICITY AND CIRCUITS

A. CHOOSE THE CORRECT OPTION:

1. WHICH OF THE FOLLOWING CONVERTS CHEMICAL ENERGY TO ELECTRICAL ENERGY?
 - A. SWITCH
 - B. BULB
 - C. ELECTRIC IRON
 - D. DRY CELL
2. WHICH DEVICE IS USED TO BREAK THE CIRCUIT?
 - A. SWITCH
 - B. BULB
 - C. ELECTRIC IRON
 - D. DRY CELL
3. THE CLOSED PATH IN WHICH THE CURRENT FLOWS IS CALLED _____.
 - A. CURRENT
 - B. CONDUCTOR
 - C. CIRCUIT
 - D. BULB
4. _____ IS AN EXAMPLE OF INSULATOR.
 - A. IRON
 - B. TUNGSTEN
 - C. WOOD
 - D. COPPER
5. WHICH OF THE FOLLOWING IS A CONDUCTOR?
 - A. GLASS
 - B. STEEL
 - C. DRY AIR
 - D. PAPER

6. WHILE CURRENT FLOWS IN A CIRCUIT, THE BULB WILL GLOW IF,

- _____
- A. SWITCH IS IN 'OFF' POSITION.
 - B. SWITCH IS IN 'ON' POSITION.
 - C. BOTH
 - D. NONE

B. FILL IN THE BLANKS WITH THE HELP OF THE WORDS GIVEN:

INSULATOR	DRY CELL	CONDUCTOR	POSITIVE
ELECTRICAL CURRENT	SWITCH	FILAMENT	ELECTRICITY

- 1. _____ IS THE SOURCE OF ENERGY.
- 2. AN ELECTRIC CELL HAS TWO TERMINALS, ONE IS CALLED _____ TERMINAL, WHILE THE OTHER IS CALLED NEGATIVE TERMINAL.
- 3. AN ELECTRIC BULB HAS A _____ THAT IS CONNECTED TO ITS TERMINALS.
- 4. AN ELECTRIC BULB GLOWS WHEN _____ PASSES THROUGH IT.
- 5. _____ IS A DEVICE THAT IS USED EITHER TO BREAK OR COMPLETE THE CIRCUIT.
- 6. FLOW OF CHARGES IN A CIRCUIT IS CALLED _____.
- 7. MATERIALS THAT ALLOW ELECTRICITY TO PASS THROUGH THEM ARE CALLED _____.
- 8. MATERIALS THAT DO NOT ALLOW ELECTRICITY TO PASS THROUGH THEM ARE CALLED _____.

C. STATE TRUE OR FALSE:

- 1. ELECTRIC CURRENT CAN FLOW THROUGH ALL KINDS OF MATERIALS.
- 2. IN AN ELECTRIC CIRCUIT, THE BULB IS THE SOURCE OF ENERGY.
- 3. IN A CLOSED CIRCUIT, A BULB GLOWS WHILE IN AN OPEN CIRCUIT, A BULB DOESN'T GLOW.
- 4. SILVER IS A GOOD CONDUCTOR OF ELECTRICITY.
- 5. SWITCH OFF ALL THE APPLIANCES WHEN NOT IN USE.

D. STATE YES OR NO