

## 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 BIULB 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