Electricity And Circuits

I. Fill in the blanks:

1. The electric energy which is supplied in our home comes from electric _____houses.
2. Diesel _____ is generally used in big factories or at public functions as a standby.
3. The battery _____ is uses at homes, offices and hospitals.
4. The tiny coiled wire which is supported by two thick wire inside the bulb is called -_____
5. Electric cell is a device which converts energy of chemicals _____energy.

II. Name the following:

1. A combination of two or more cells
2. An electric device which converts electric energy into light energy
3. An electric circuit in which path of electricity is broken at some point is called

III. Choose the correct answer:

1. An electric bulb has (two/one) terminals.
2. The base of an electric cell is its (negative/positive) terminal.
3. All metals are (conductors/Insulators) of electricity.

IV. Distinguish between

Conductors and Insulators.

V. Name the five transformations of electric energy.

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I Fill in the blanks :

1. An electric _____ is a continuous path along which the current flows.
2. A circuit in which electricity does not flow is called an _____ circuit.
3. The source of electricity in an electric cell are the _____ stored in it.
4. Rubber is a good example of electric _____.
5. A device that is used to break of complete an electric circuit is called _____.
6. An electric cell has _____ terminals.
7. If the filament of a bulb breaks, it is said to be _____.
8. An electric current is _____ when no current flows through it.
9. Electric current flows from _____ terminal to _____ terminal of cell in the circuit.

II Give one word for the following statements :

1. The source of electricity _____
2. Thin wire in a bulb which gives out light _____
3. The arrangement of providing a complete path for electricity to pass between two terminals of the electric cell _____
4. Some times electric bulb does not glow even when electric switch is 'ON' then we say that bulb is _____
5. An electric appliance which makes or breaks an electric circuit _____

III Mark True (T) or False (F) for following statements :

a. Electric current can flow through metals.
b. Instead of metal wires, a jute string can be used to make a circuit.
c. Electric current can pass through a sheet of thermocol.
d. When current flows through a circuit, the circuit is called open circuit.
e. Electric current can easily flow through Copper.
f. When an electric circuit is closed, the electric current stops flowing through it.

IV Tick the correct answer :

1. Choose a good conductor from the following materials.
   a) Pencil lead b) Thermocol c) Wooden block

2. Which of the following is not a good conductor of electricity.
   a) Mercury b) Copper c) Plastic d) Aluminum foil

3. Switch is 'OFF' when
   a) circuit is complete
   b) Circuit is not complete
   c) Current is flowing in the circuit
   d) Cell is fully charged