

12 Electric current

Definition

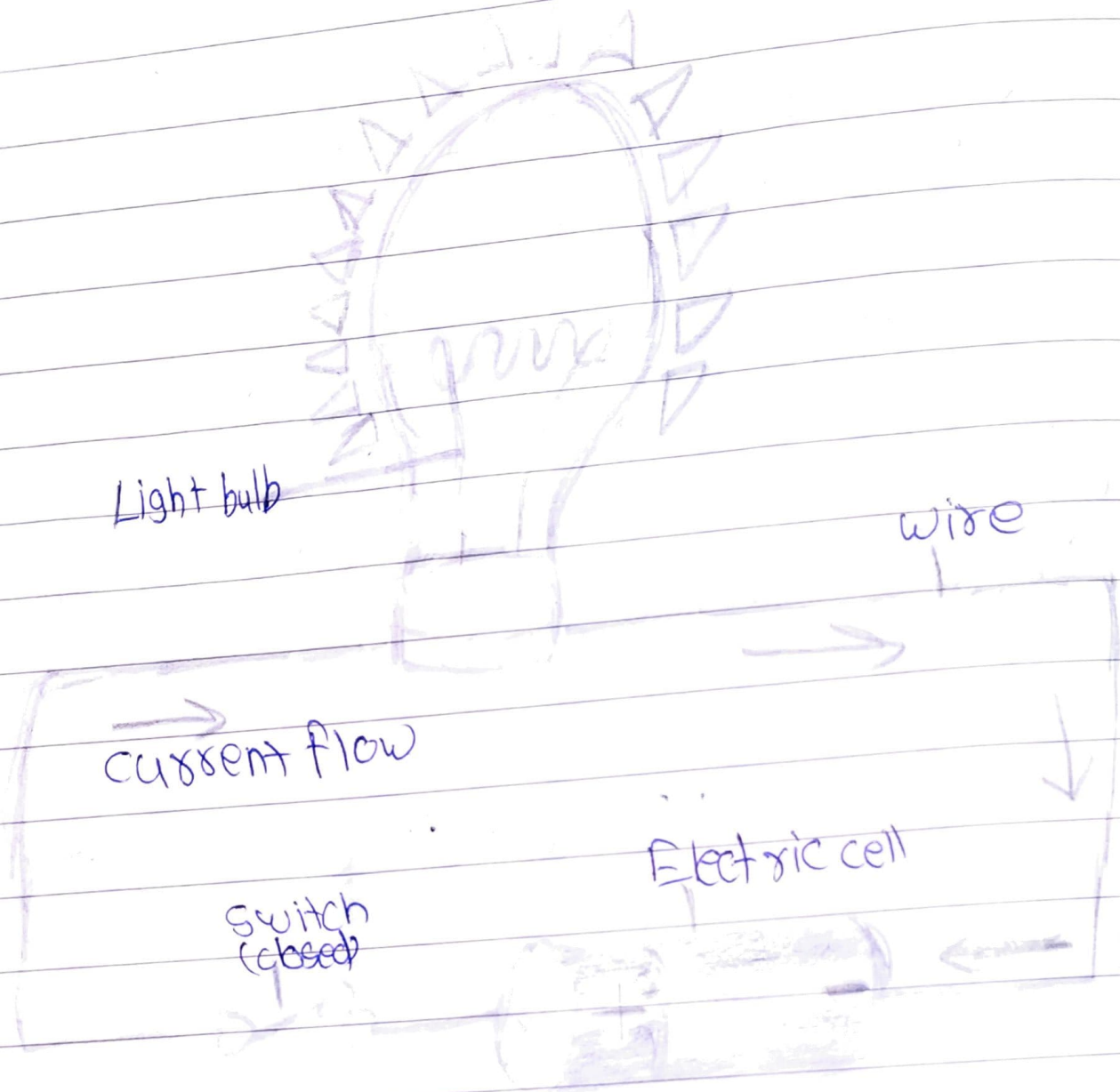
~~But~~ Electric cells that cannot be used once their chemicals are over and have to be replaced are called Primary cells.

Electric cells that can be used repeatedly by recharging are called Secondary cells.

A Power generator is a type of electric cell that can accumulate or store electric energy for future use. Such cells are called accumulators.

On the other hand, there are materials that do not allow electricity to flow through them. These materials are bad conductors or insulators.

Diagram



An electric cell, wires, a switch, and a bulb are the main elements of an electric circuit.

* Answer the following

① Give an example each of Primary and secondary electric cells.

Ans Primary cells - Pencil cells, Secondary cells - Car batteries

② Name a device that converts chemical into electrical energy.

Ans A dry cell

③ How are two or more cells connected together?

Ans Two or more cells are connected such that the positive terminal of one cell is connected to the negative terminal of the other cell to form a battery.

④ Which subatomic particles give rise to an electrical current in a wire?

Ans Electrons flow through a wire to an electric current

① What is an electric circuit?

Ans The particular path through which electricity flows through a device is called an electric circuit.

② Name two conductors and two insulators.

Ans Conductors - metal, graphite

Insulators - rubber, plastic

③ What are the connecting wires usually made up of?

Ans connecting wires are usually made of copper and are enclosed in a plastic sheath.

④ What is filled inside ~~the~~ the glass cover the bulb filament?

Ans The glass cover the bulb filament is filled with argon gas.