

Symbols of Electric Components



Cell:

In the symbol positive terminal is represented with a longer line and the negative terminal is represented as the thicker, shorter line.

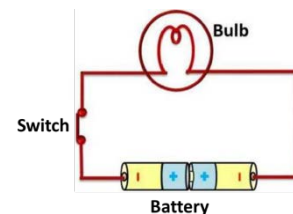
Battery:

A combination of more than one electric cell is called a battery.

In a battery, the positive terminal of one cell is connected with the negative terminal of the next cell.

Example:

The bulb shown in the circuit does not glow. Re-arrange the circuit in the correct order to make the bulb glow.

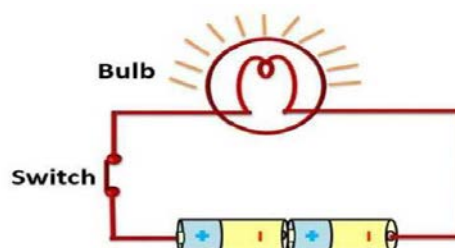


Solution:

The direction of current flow in a closed circuit is from the positive terminal of the battery to the negative terminal of a battery.

In the above arrangement, the batteries are not connected correctly. For the current to flow the positive terminal of one battery should be connected to the conditions especially during the rainy season. negative terminal of other battery.

The following circuit shows the correct arrangement of the battery so that the the bulb in the circuit can glow.





Now the positive terminal of one cell is connected to the negative terminal of the next cell and the circuit is complete. Now the bulb in the circuit will glow.

Example: Draw the circuit diagram for the given setup.



Solution: The electric circuit setup contains a bulb, battery and a switch in OFF position.

Symbolic representation of the circuit

