Science

(Chapter-12) (Electricity and Circuits)

(Class- VI)

Exercises

Question 1:

Fill in the blanks:

(a) A device that is used to break an electric circuit is called……………..

(b) An electric cell has……………..terminals.

Answer 1:

(a) A device that is used to break an electric circuit is called switch.

(b) An electric cell has two terminals.

Question 2:

Mark 'True" or 'False" 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 thermo Col.

Answer 2:

(a) Electric current can flow through metals. (True)

(b) Instead of metal wires, a jute string can be used to make a circuit (False)

(c) Electric current can pass through a sheet of thermo Col. (False)

Question 3:

Explain why the bulb would not glow in the arrangement shown in Fig 12.13.

Answer 3:

The handle of screw is made up of insulator, which does allow to current to flow. That is

why the bulb is not glowing

Question 5: what is the purpose of using an electric switch? Name some electrical gadgets that have switches built into them.

Answer 5: switch is a simple device that either breaks the circuit or completes it. The switches used in lighting of electric bulbs and other devices in homes work on the same principle.

In radio, TV, mobiles, torch and electric toys have in built switches.