

Name: _____ Date: _____

Electric Current and its Effects

Q1. What are the uses of heating effect of electric current?

Ans. _____

Q2. Explain the symbol of electric cell.

Ans. _____

Q3. Name any two effects of electric current.

Ans. _____

Q4. Why are fuse wires not used in circuit containing electric cell?

Ans. _____

Q5. What is an electric circuit?

Ans. _____

Electric Current and its Effects

Q1. What are the uses of heating effect of electric current?

Ans. Electrical appliances, such as immersion heaters, hotplates, irons, geysers, electric kettles, hair dryers uses of heating effect of electric current.

Q2. Explain the symbol of electric cell.

Ans. In the symbol of the electric cell, the longer line represents the positive terminal and the thicker, shorter line represents the negative terminal.

Q3. Name any two effects of electric current.

Ans. The two effects of electric current are:

- i. Heating effect of electric current
- ii. Magnetic effect of the electric current

Q4. Why are fuse wires not used in circuit containing electric cell?

Ans. Fuse wires are not used in circuit containing electric cell because the amount of current flow is low and if the circuit breaks there is no risk of fire.

Q5. What is an electric circuit?

Ans. The electric circuit provides a closed path for electricity to pass between the two terminals of the electric cell. The bulb glows only when current flows through the circuit.