

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Electric Current and its Effects

Q1. We could not see element in electrical appliances. Give reason.

Ans. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Q2. Why a fused bulb does not glow?

Ans. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Q3. Sometimes the cells are placed side by side. Then how are the terminals of the cells connected?

Ans. \_\_\_\_\_  
\_\_\_\_\_

Q4. Why should we look for ISI mark on electrical appliances?

Ans. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Q5. On what factors does the heat produced in a wire depend?

Ans. \_\_\_\_\_  
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## Electric Current and its Effects

Q1. We could not see element in electrical appliances. Give reason.

Ans. We could not see element in electrical appliances because electrical appliances, such as immersion heaters, hotplates, irons, geysers, electric kettles, hair dryers, have elements inside them.

Q2. Why a fused bulb does not glow?

Ans. A break in the filament of an electric bulb means a break in the path of the current between the terminals of the electric cell. Therefore, a fused bulb will not glow as current does not pass through its filament.

Q3. Sometimes the cells are placed side by side. Then how are the terminals of the cells connected?

Ans. There is usually a thick wire or a metal strip connecting the positive terminal of one cell to the negative terminal of the next cell.

Q4. Why should we look for ISI mark on electrical appliances?

Ans. Before buying any electrical appliance we should look for ISI mark because this mark ensures that the appliance is safe and wastage of energy is the minimum.

Q5. On what factors does the heat produced in a wire depend?

Ans. The amount of heat produced in a wire depends on its material, length and thickness. Thus, for different requirements, the wires of different materials and different lengths and thicknesses are used.