

Name: _____ Date: _____

Electric Current and its Effects

Q1. Write some uses of battery.

Ans. _____

Q2. Which wire used in electric heater and why?

Ans. _____

Q3. What is filament?

Ans. _____

Q4. Is it possible for a wire to melt and break? Why?

Ans. _____

Q5. What is the heating effect of the electric current?

Ans. _____

Q6. Who invented electric bulb?

Ans. _____

Electric Current and its Effects

Q1. Write some uses of battery.

Ans. Many devices such as torches, transistors, toys, TV remote controls, use batteries.

Q2. Which wire used in electric heater and why?

Ans. Nichrome wire is used in electric heater because it has a high melting temperature.

Q3. What is filament?

Ans. In the bulb there is a thin wire, called the filament, which glows when an electric current passes through it.

Q4. Is it possible for a wire to melt and break? Why?

Ans. Yes, if a large current passes through a wire, the wire may become so hot that it may even melt and break.

Q5. What is the heating effect of the electric current?

Ans. The wire gets hot when an electric current passes through it. This is the heating effect of the electric current.

Q6. Who invented electric bulb?

Ans. The credit for the invention of the electric bulb is usually given to Thomas Alva Edison, though others before him had worked on it.