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## **14 : ELECTRIC CURRENT AND ITS EFFECTS**

### **I Fill in the blanks :**

1. A thin wire in the bulb that glows when an electric current passes through it is called the \_\_\_\_\_.
2. When the bulb gets \_\_\_\_\_, its filament is broken.
3. The coil of wire in an electric heater is known as \_\_\_\_\_.
4. The amount of heat produced in a wire depends on its, \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_.
5. When an electric current flows through a wire, it behaves like a \_\_\_\_\_.
6. The \_\_\_\_\_ of an electric bell acts as an electromagnet in its working.

### **II State whether the following statements are True or False :**

1. When the electric current is switched off, the coil generally loses its magnetism.
2. The wires used for making electric circuits do not normally become hot.
3. The filament of an electric bulb never gets heated.
4. In a battery, the electric cells are always placed one after the other.
5. Connecting many devices in a single socket does not affect the flow of current in a circuit.
6. Wear and tear of insulated wires can cause short circuits.
7. CFLs consume more electricity than ordinary bulbs.

### **III Name the following :**

1. The name of the scientist who first noticed the magnetic effect of current.
2. The switches being used in place of fuses.
3. A diagram made using symbols of electric components.
4. The mark of safety necessary on electrical appliances.

### **IV Define :**

1. Battery
  2. Electromagnet
  3. Fuse
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