

Name: _____ Date: _____

Electricity and Circuits

Q1. Name few devices where electric cell are used.

Ans. _____

Q2. Why are rubber and plastics used for covering electrical wires?

Ans. _____

Q3. What is an electric circuit diagram?

Ans. _____

Q4. Where insulators are used?

Ans. _____

Q5. Air is an insulator. Prove with help of an activity.

Ans. _____

Q6. What are the different sources of electric current?

Ans. _____

Electricity and Circuits

Q1. Name few devices where electric cell are used.

Ans. Electric cell are used in torch, alarm clocks, wristwatches, transistor radios, cameras and many other devices.

Q2. Why are rubber and plastics used for covering electrical wires?

Ans. Rubber and plastics are used for covering electrical wires because they are insulators and do not allow electric current to pass when we touch them.

Q3. What is an electric circuit diagram?

Ans. An electric circuit diagram indicates the arrangement of different circuit elements with their conventional symbols.

Q4. Where insulators are used?

Ans. Electrical insulators may be used for circuit boards, switches, coating on electric wire and cable, handles of screw driver and tester etc.

Q5. Air is an insulator. Prove with help of an activity.

Ans. In an electric circuit keep the terminals unconnected. Since the bulb does not glow when there is only air in the gap, it means that air is also an insulator.

Q6. What are the different sources of electric current?

Ans. The different sources of electric current are:

- i. Primary cells
- ii. Secondary cells or accumulators
- iii. Power house