

Board – CBSE

Class – 6<sup>th</sup>

Topic – Electricity and Circuit

1. What will happen if you join the two terminals of a cell without connecting them through a switch or a bulb?
  - (a) There will be no impact on the cell
  - (b) The chemicals in the electric cell get used up slowly, and the cell will produce electricity longer
  - (c) The chemicals in the electric cell get used up very fast, and the cell will no longer produce an electric current. It will stop working.
  - (d) None of these
2. A simple device that is used to either break or complete the electric circuit?
  - (a) Switch
  - (b) Terminal
  - (c) Current
  - (d) Conductor
3. What is false of an electric cell?
  - (a) Chemical energy is converted into electrical energy
  - (b) It has a neutral terminal
  - (c) It has a Positive Terminal
  - (d) It has a Negative Terminal
4. Which one of the following statements is false?
  - (a) Eraser is a bad conductor of electricity.
  - (b) Metals are good conductors of electricity.
  - (c) Our body is a good conductor of electricity.
  - (d) Plastic is a good conductor of electricity.
5. What is the purpose of using an electric switch? Name some electrical gadgets that have switches built into them.
6. What is the direction of the flow of current in a dry cell?
7. What is an open circuit?
8. Write one use of insulators.
9. Define conductors and insulators. Give one example of each.

10. Identify conductors and insulators from the following: Eraser, paper, matchstick, copper wire, pencil lead, polythene.
11. When the switch is on in any electric circuit, and the current flows through it, why do the wire, switches, bulbs or devices become hot?
12. If you touch an electric wire carrying current, you get a shock, but if the birds sit on the same wire, they do not get any shock/current. Explain why?
13. Write down the Advantages of Electricity.
14. Write down Features of an Electric Cell.
15. What is an Electric Switch?
16. Why should an electrician use rubber gloves while repairing an electric switch at your home? Explain your answer.