

Additional Important Questions

1. What is meant by a battery?
2. Give any difference between a cell and a battery.
3. Name some devices in which we use an electric cell.
4. What is an electric cell?
5. Give any difference between a cell and a battery.
6. Why we should not join the wires connected to the two terminals of the electric cell?
7. Two cells can be joined in two ways in series and in parallel. What do you mean by these two ways? In which way the cells are joined in a torch?

A Bulb Connected To an Electric Cell:

1. How the bulb is connected to the wires?
2. How we connect wires to the electric cell?
3. How an electric bulb is connected to the cell? Show by a diagram.

An Electric Circuit

1. What is the direction of the current in the electric circuit?
2. What is electric circuit?
3. Sometimes an electric bulb does not glow even if it is connected to the cell. What could be the reason?

Electric Switch:

1. How are cells arranged in a torch-in-parallel or in series?
2. If in a circuit you have arranged cells in series. Will the bulb continue to shine even if the connection of one of the cells is reversed?
3. What is the purpose of using an electric switch? Name some electrical gadgets that have switches built into them.

Electric Conductors and Insulators:

1. What is an insulator? Give few examples.
2. Why do you have to clean the ends of wires used for making a circuit with sand paper to make the bulbs shine?
3. What would happen if air were a good conductor of electricity?
4. Give some uses of Conductors and Insulators.
5. Why is the handle of electrician's screw driver made of plastic?
6. What is a conductor? Give examples.
7. Why does one remove the plastic coating of connecting wires before making circuits?
8. Is air a good or a bad conductor of electricity?
9. Out of aluminium foil, paper dry cloth rubber sheet, which is the good conductor? Tell by using a torch.
10. What is "conductor tester"? How it can be used to test whether a material is a conductor or insulator?

11. Using a conduction tester select conductors and insulators from the following. Note your observations in a table as follow:

Pin, notebook, chalk, duster, pen, comb, key, rubber, nail, paper.

S.No.	Thing	Bulb glows or not	Circuit situation	Object is conductor/insulator
1.				
2.				

