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NCERT Class VI Science Solutions: Chapter 12 – Electricity and Circuits Part 3

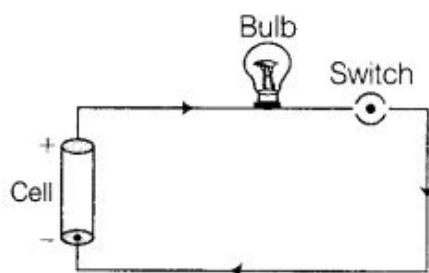
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SHORT ANSWER QUESTIONS

Question 10:

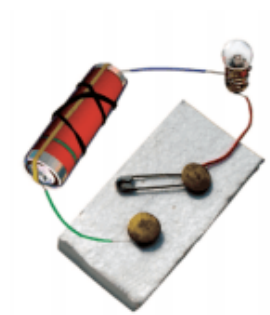
You are provided with a bulb, a cell, a switch and some connecting wires. Draw a diagram to show the connections between them to make the bulb glow.

Answer:



Question 11:

Will the bulb glow in the circuit shown in Fig? Explain.

**Answer:**

No, the bulb will not glow in this circuit because the switch is open and the circuit is incomplete.

Question 12:

An electric bulb is connected to a cell through a switch as shown in Fig. When the switch is brought in 'ON' position, the bulb does not glow. What could be the possible reason/s for it? Mention any two of them.

**Answer:**

The reason could be because

1. The bulb is fused.
2. The cell may be discharged.
3. Break in connecting wire.

4. Loose connection.

(Any two)

Question 13:

A torch requires 3 cells. Show the arrangement of the cells, with a diagram, inside the torch so that the bulb glows.

Answer:



Question 14:

When the chemicals in the electric cell are used up, the electric cell stops producing electricity. The electric cell is then replaced with a new one. In case of rechargeable batteries (such as the type used in mobile phones, camera and inverters) , they are used again and again. How?

Answer:

Rechargeable batteries can be recharged by providing them appropriate current.