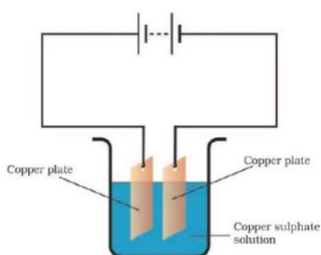
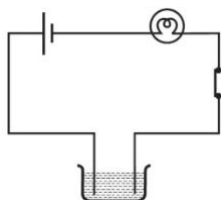


Ch – 14 HOTS Questions

- 1) Will the solution of sugar in distilled water conduct electricity?
- 2) Paheli wants to deposit silver on an iron spoon. She took a silver nitrate (AgNO_3) solution in a beaker and set up a simple circuit for electroplating. Which terminal of the battery should the spoon be connected to? What material should the other electrode be made of?
- 3) Why is tin electroplated on iron to make cans used for storing food?
- 4) Boojho observed that copper is deposited on the electrode connected to the negative terminal of the battery. Paheli tried to repeat the same experiment. But she could find only one copper plate. Therefore she took a carbon rod as a negative electrode. Will copper be still deposited on the carbon rod? Explain your answer.



- 5) Boojho made the circuit given in Fig. and observed that the bulb did not glow. On Paheli's suggestion, he added one more cell in the circuit. The bulb now glows. Explain.



- 6) Boojho made the circuit shown in Fig. He wanted to observe what happens when an electric current is passed through water. But he forgot to add a few drops of lemon juice to water. Will it make any difference to his observations? Explain.

