

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Chemical Effects of Electric Current

Q1. How would you classify lemon juice- a good conductor or a poor conductor of electricity?

Ans. \_\_\_\_\_  
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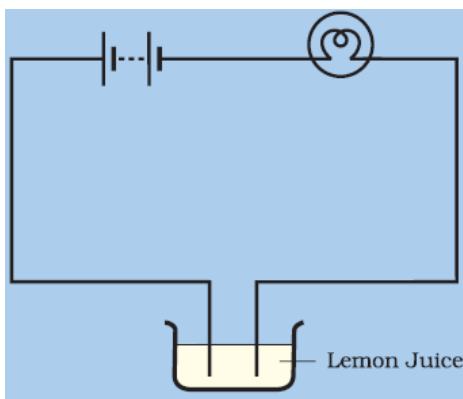
Q2. A beaker contains an acidified copper sulphate solution. A copper plate and a carbon rod are kept in this copper sulphate solution. The copper plate is connected to the positive terminal of a battery whereas the carbon rod is connected to the negative terminal of the battery. What happens when electric current is passed through copper sulphate solution?

Ans. \_\_\_\_\_  
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## Chemical Effects of Electric Current

Q1. How would you classify lemon juice- a good conductor or a poor conductor of electricity?

Ans. When the lemon juice between the two ends of the tester allows the electric current to pass, the circuit of the tester becomes complete. The current flows in the circuit and the bulb glows. This shows that lemon juice- a good conductor of electricity.



From NCERT

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Ans. When electric current is passed through the copper sulphate solution, copper sulphate dissociates into copper and sulphate. The free copper gets drawn to the electrode connected to the negative terminal of the battery and gets deposited on it. From the other electrode, a copper plate, an equal amount of copper gets dissolved in the solution. Thus, the loss of copper from the solution is restored and the process keeps going. This means that copper gets transferred from one electrode to the other.