

**Bharatiya Vidya Bhavan's V.M. Public School**  
**Chapter – 15 : Chemical Effects of Electric Current**

**I Fill in the blanks :**

1. Distilled water is \_\_\_\_\_ of electricity.
2. The dissociation of chemicals into ions due to the passing of electricity through it is the \_\_\_\_\_ of electricity.
3. The distilled water becomes \_\_\_\_\_ of electricity on dissolving salt in it.
4. \_\_\_\_\_ are wires/rods/plates through which electricity enters or leaves an electrolyte.
5. The longer lead of LED is always connected to the positive terminal of the battery.
6. Name two liquids that conduct electricity \_\_\_\_\_.
7. The passage of electric current through liquids causes \_\_\_\_\_.
8. Coating of \_\_\_\_\_ is deposited on iron to protect it from corrosion.

**II Answer the following :**

1. What is LED?
2. Define Electroplating
3. Name some materials around you which conduct electricity.
4. Name some materials around you which do not conduct electricity.
5. Is it safe for the electrician to carry out electrical repairs outdoors during heavy downpour? Explain.
6. What is electroplating? List some applications of electroplating.
7. List the changes that occur when electric current passes through a conducting solution.
8. Make a circuit diagram used to test chemical effect of electric current.
9. List a few applications of electrolysis.
10. Electric fires are extinguished with either carbon dioxide extinguisher or using mud? Why is water not used in such fires?

**III Give reasons for the following :**

1. An acid or ionic salt added to water during the electrolysis of water.
2. Water taps are coated with nickel or chromium.