

CHAPTER

14

**CHEMICAL EFFECTS OF
ELECTRIC CURRENT****Chemical effects of electric current:**

- We know that, the charge carriers in electrolytic solutions are ions.
- These ions while moving so makes some chemical changes to the solutions.

Ex. When two electrodes are immersed and electric current is passed through salt water, gas bubbles released near electrodes due to release of oxygen and hydrogen gas at electrodes.

- Hydrogen gas is released at the electrode connected to negative terminal which is called as Cathode.
- Oxygen gas is released at the electrode connected to positive terminal which is called as Anode.
- Some times the chemical changes taking place can also be observed by colour change.

Ex. When two copper wires connected to battery are immersed into a potato a greenish blue spot can be observed on the potato and one wire.

This is due to oxidation of copper into copper ions.