

Chemistry (New Book) - 9th Class Chemistry English Medium Chapter 7 Preparation

Q1. What is meant by Redox?
Ans 1: A chemical reaction in which oxidation and reduction reaction involved simultaneously is called Oxidation-Reduction reaction or redoxreaction.
Q2. What is meant by Valency and Oxidation state?
Ans 1: Oxidation state is the apparent charge assigned to an atom of an element in a molecule in an ion. Valency the apparent charge of an atom, ion or molecules which are called Valency
Q3. Which material is used to make cathode in electroplating?
Ans 1: The cathode is made of the objects tht is to be electroplated e.g. sheet of iron.
Q4. Which ions are discharged at cathode in Nelson's cell and what is produced at cathode?
Ans 1: The H+ ions are discharge at cathode in nelson's cell . At cathode sodium hydroxide and hydrogen are produced.
Q5. What Is the shape of cathode in Nelson's cell? Why is it perforated?
Ans 1: In Nelson's cell cathode is made of iron and have U-Shaped. It is perforated because extra brine or NaOH can be easily separated.
Q6. What is meant by electrolytic cell?
Ans 1: The type of electrochemical cell in which a non-spontaneous chemical reaction takes place when electric current is passed through the solution is called electrolytic cell.
Q7. Write construction of Down's cell?
Ans 1: On the industrial scale molten sodium metal is obtained by the electrolysis of fuse and NaClin the Down's cell

Ans 1: The two half cell of the galvanic cell ae connected by salt bridge salt bridge is used to maintain the flow of ionic current and the electric neutrality.

Q8. How the half cells of a galvanic cell are connected? What is function of salt -bridge?

- Q9. What is Corrosion.
 - Ans 1: Corrosion is the general term used for all the metal. Corrosion of some metals may be stopped. It is redox reaction.
- Q10. State the best method for protection of metal from corrusion.
 - **Ans 1:** The best method for protection against the corrosion of metals exposed to acidic conditions is coating the metal with other metal. Corrosion resistant metals like Zn,Sn and Cr are coated on the surface of iron to protect it from corrosion.