

WORK SHEET-1

1. Name the acid and base involved in making CH_3COONa salt.
2. Name the family of salt to which calcium sulphate and copper sulphate belongs to.
3. What determines the pH of salt solution?
4. How salts are classified based on pH value?
5. What is chlor-alkali process? Name three by products obtained on electrolysis of brine solution.
6. State some importance of common salt.

7. Arrange the test tube A, B and C in increasing order of pH value.
Test tube A--- Salts of strong acid and strong base
Test tube B--- Salts of strong acid and weak base
Test tube C-- Salts of weak acid and strong base

8. When electricity is passed through an aqueous solution of sodium chloride(called brine), it decomposes to form chemical 'X' . the solution of 'X' on heating with few pieces of granulated zinc metal gives chemical 'Y' and 'Z' gas is evolved.
 - i. Identify the chemicals X, Y and Z
 - ii. Also write both the equation involved in this entire process.

9. Write the uses of gases evolved during chlor-alkali process. Also name the product obtained when these gases combine with each other.
10. Name the substance formed by NaOH and Cl_2 gas. Write its uses.