

D.A.V Public School Sasaram

3rd Worksheet of chemistry

For Class X-B,C & D

Chapter- ACIDS,BASES & SALTS

Q.1 What do you mean by family of a salt ?

Q.2 write the formulae of the salts given below :-

- a) potassium sulphate
- b) sodium sulphate
- c) calcium sulphate
- d) magnesium sulphate
- e) copper sulphate
- f) sodium chloride
- g) sodium nitrate
- h) sodium carbonate
- i) ammonium chloride

for each salt identify the acids and bases from which the above salt may be obtained.

Q.3 What is deliquescence ?

Q.4 Define chlor alkali process .Write the balanced chemical equation for the process.

Q.5 Suggest two uses of each –

- a) hydrogen gas
- b) chlorine gas
- c) sodium hydroxide.

Q.6 What is the chemical name and formula of bleaching powder ? Write a chemical equation for its preparation.

Q.7 Suggest two uses of bleaching powder.

Q.8 Write chemical name and formula of baking soda. Also write a chemical equation for its preparation.

Q.9 Why sodium hydrogencarbonate is used as an ingredient in antacids?

Q.10 Why baking soda is used in soda acid fire extinguishers?

Q.11 What is common name of sodium carbonate decahydrate ? Write a balanced chemical equation for its preparation.

Q.12 Suggest any two uses of washing soda?

Q.13 What is water of crystallization ?

Q.14 What is chemical formula of plaster of Paris? Write a balanced chemical equation for its preparation.

Q.15 Suggest the chemical name of gypsum. Write a balanced chemical equation for its preparation.

Q.16 Name the acid present in ant sting and give its chemical formula. Also give the common method to get relief from the discomfort caused by the ant sting.

Q.17 What happens when nitric acid is added to an egg shell?

Write a balanced chemical equation.

Q.18 Give reason :-

An aqueous solution of sodium chloride is neutral but an aqueous solution of sodium carbonate is basic.

Questions by Sudhakar Mishra