

WORK SHEET
SUBJECT- Science
Chapter 2- Acids, Bases and Salts

CLASS- VII

I. Fill in the blanks:-

1. An acid is _____ by a base .
2. Phenolphthalein is an _____ indicator.

II. Choose the correct option:-

1. A Soap Solution is –
a) Basic b) Acidic c) Alkaline d) Neutral
2. $\text{CO}_2 + \text{H}_2\text{O} \rightarrow$
a) Sulphuric acid b) Nitric acid c) Carbonic acid d) None

III Name the following:-

1. Soluble bases.
2. A Chemical used as a food preservative.
3. Chemical name of Chile Salt Petre.

IV Define the following:-

1. Acid Rain 2. Neutralisation Reaction 3. Acid-Base Indicator

V Give Reasons:-

1. Non Metal Oxides are called Acidic .
2. Metal Oxides are Basic
3. Sour things are not kept in metal pots
4. Metal Oxides such as MgO are used for making refractory bricks.

VI Complete the Equations:-

1. _____ + $2\text{O}_2 \rightarrow \text{CO}_2 + \text{H}_2\text{O}$
2. $3\text{NO}_2 + \text{H}_2\text{O} \rightarrow \text{NO} +$ _____ .
3. $2\text{NaOH} + \text{H}_2\text{SO}_4 \rightarrow$ _____ + $2\text{H}_2\text{O}$
4. $\text{CaCO}_3 \rightarrow$ _____ + CO_2

VII Answer in 20 words :-

- 1 Name three mineral acids and give their formulae?
- 2 What is acid and base?

VIII Answer in 40 words:-

1. What are general properties of bases?
2. What are general properties of acids?
3. Name an acidic gas which is discharged into the atmosphere on the burning of fuels like coal & natural gas. How is this gas formed?

IX Answer in 100 words:-

1. Describe an activity to show the effect of acid on carbonates and hydrogen carbonates?
2. What is acid rain? How is it formed? Mention three bad effects of acid rain .

X Write one use of the following:-

1. Sulphuric acid.
2. Citric acid
3. Sodium Carbonate
4. Potassium Nitrate
5. Calcium phosphate
