



**SUBJECT NAME -CHEMISTRY**  
**GRADE- X**

**WORKSHEET**  
**CHAPTER 2. ACIDS. BASES AND SALTS**

**MULTIPLE CHOICE QUESTIONS**

1. The color of phenolphthalein in acidic medium
  - a. yellow
  - b. pink
  - c. colorless
  - d. blue
2. The gas which burns with a pop sound
  - a. H<sub>2</sub>
  - b. CO<sub>2</sub>
  - c. CuSO<sub>4</sub>
  - d. CH<sub>4</sub>
3. Milkiness of lime water disappear when excess CO<sub>2</sub> is passed due to the formation of
  - a. calcium hydroxide
  - b. calcium chloride
  - c. calcium bicarbonate
  - d. calcium carbonate
4. Greenish coating on copper articles can be removed by using
  - a. Lemon
  - b. Tamarind
  - c. Vinegar
  - d. all of the above
5. Rain water usually have pH
  - a. =7
  - b. <7
  - c. >7
  - d. ≈7



## Short Answer Type Questions

1. What will be the action of the following substances on litmus paper?
  - Dry HCl gas
  - Moistened  $\text{NH}_3$  gas
  - Lemon juice
  - Carbonated soft drinks
  - Curd
  - Soap solution
2. A student prepared solutions of (i) an acid and (ii) a base in two separate beakers. She forgot to label the solutions, and litmus paper was not available in the laboratory. Since both the solutions are colourless, how will she distinguish between the two?

## Long Answer Type Questions

1. For making cake, baking powder is taken. If your mother uses baking soda instead of baking powder in cake at home,
  - (a) How will it affect the taste of the cake and why?
  - (b) How can baking soda be converted into baking powder?
  - (c) What is the role of tartaric acid added to baking soda?
2.
  - (a) Identify the acid and the base whose combination forms the common salt that you use in your food. Write its formula and chemical name of this salt. Name the source from where it is obtained.
  - (b) What is rock salt? Mention its color and the reason due to which it has this color.
  - (c) What happens when electricity is passed through brine? Write the chemical equation for it.