

WORK SHEET-1

1. What do you understand by the term acid?
2. Name the positive ion formed when an acid is dissolved in water.
3. Draw the structures of ions released by bases in water.
4. What happens when carbondioxide gas is passed through lime water?
What will happen if we pass excess of carbondioxide through lime water?
5. How does turmeric change colour in alkaline medium?
6. Name three chemical indicators.
7. What are the symptoms of the problem of acidity? What possible remedy can be used at homes?
8. What do you understand by an alkali?
9. Give one example in each case
 - a) A weak mineral acid
 - b) A base which is not an alkali
 - c) An oxide which is a base
 - d) A hydrogen containing compound which is not an acid.
 - e) A base which does not contain a metal ion
 - f) A basic oxide which is soluble in water.
 - g) A basic oxide which is insoluble in water
 - h) A hydroxide which is highly soluble in water
 - i) A hydroxide which is insoluble in water
10. Write equations for the reaction of acid with
 - a) A metal
 - b) A metal carbonate
 - c) A metal hydrogen carbonate
 - d) A base
 - e) A metal oxide

WORK SHEET-2

1. Blue litmus solution is added to two test tubes A and B containing dilute HCl and NaOH. In which test tube colour change will be observed? State the colour change and give its reason.
2. Sweet tooth may lead to tooth decay. What is the role of tooth paste in preventing cavities?
3. Define olfactory indicators. Give any two examples of it.
4. Explain the action of dilute hydrochloric acid on the following with chemical equation
 - a) Magnesium ribbon
 - b) Sodium hydroxide
 - c) Crushed egg shells
5. Which one of the following is acidic?
(a) Lemon juice (b) Tomatoes (c) Milk (d) All
6. Which one of the following will turn red litmus blue?
(a) Vinegar (b) Baking soda solution (c) Lemon juice (d) Soft drinks
7. Which one of the following will turn blue litmus red?
(a) Vinegar (b) Lime water (c) Baking soda solution (d) Washing soda solution
