

# St. Andrews Scots Sr. Sec. School

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Session: 2024 – 2025

(Worksheet-5)

Class: VII

Subject: Science

Chapter: Acids, Bases and salts

## Q.1. Define:

- a) Indicators
- b) Salts
- c) Alkali
- d) Acid rain

## Q.2. Fill in the blanks:

- (a) The most commonly used natural indicator is \_\_\_\_\_ and is extracted from \_\_\_\_\_.
- (b) Aqueous solution of baking soda is bitter in taste and feels soapy on touching because it contains \_\_\_\_\_.
- (c) \_\_\_\_\_ are used to test whether a substance is acidic or basic in nature.
- (d) The solutions which do not change the colour of either blue or red litmus are called \_\_\_\_\_ solutions.
- (e) Turmeric and litmus are \_\_\_\_\_ acid-base indicators.

## Q.3. Multiple Choice Questions:

- a) The correct way of making a solution of acid in water is to:
  - (a) add water to acid
  - (b) add acid to water
  - (c) mix acid and water simultaneously
- b) Neutralisation reaction is a :
  - (a) physical and reversible change
  - (b) physical change that cannot be reversed
  - (c) chemical change that cannot be reversed.
- c) Which of the following sets of substances contains acids?
  - (a) Grapes, lime water
  - (b) Vinegar, soap
  - (c) Curd, vinegar
- d) Which of the following is an acid-base indicator?
  - (a) Vinegar
  - (b) Lime water
  - (c) Turmeric

## Q.4. State whether the following statement is true or false.

- a) All substances are either acidic or basic.
- b) A compound if acidic will turn all indicators red.
- c) Phenolphthalein is a natural indicator.
- d) Lemon water is basic in nature.

**Q.5. Short Questions Answers:**

- a) What name is given to those substances which do not change the colour of either red or blue litmus paper?
- b) After carrying out the neutralisation reaction, the test tube immediately found to be somewhat hot. Explain Why.
- c) What happens when a drop of dilute sulphuric acid is added to the china rose indicator?
- d) How acidic soil can be treated?