

St. Andrews Scots Sr. Sec. School

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Session: 2025 – 2026

(Worksheet-5)

Class: VII

Subject: Science

Chapter: Acids, Bases and Salts

Q1. Define:

- a) Mineral Acids
- b) Aqua regia
- c) Indicators
- d) pH scale

Q2. Fill in the blanks:

- a) Bases that dissolve in water are known as _____.
- b) Acidic solution turns china rose indicator into _____.
- c) Each cell in our body contains an acid known as _____.
- d) Bases which dissolve in water are known as _____.

Q3. Write the formula of the following chemicals:

- a) Milk of Magnesia
- b) Baking Soda
- c) Quicklime
- d) Acetic acid

Q4. Complete the following reactions:

- a) $\text{Mg} + 2\text{HCl} \rightarrow$ _____
- b) $\text{Na}_2\text{CO}_3 + \text{H}_2\text{SO}_4 \rightarrow$ _____
- c) $\text{CaOH} + \text{HCl} \rightarrow$ _____
- d) Methyl orange + Acidic Solution $\rightarrow$ _____

Q5. Answer the following questions:

- a) Explain the neutralization reaction with suitable reaction.
- b) Differentiate between concentrated acid and dilute acid with suitable examples.
- c) Why vinegar is added to the pickles?
- d) How does a wasp's sting be neutralized?

e) List five opaque and transparent materials?