

St. Andrews Scots Sr. Sec. School

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Session: 2023-2024 - Worksheet - 5

Class: VIII

Subject: Science

Topic: Acids, Bases and Salts

Q.1. Define:

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

Q.2.Fill in the blanks:

- a) Bases that dissolve in water are known as _____.
- b) Basic solutions turn pink china rose indicator to _____.
- c) Each cell in our body contains an acid known as _____.
- d) The rain which contains excess of acids is called _____.
- e) Citrus fruits contains _____ acids within them.

Q.3. Write the formulae of the following chemicals:

- a) Quicklime:
- b) Slaked Lime:
- c) Calamine Solution:
- d) Baking soda:
- e) Milk of Magnesia:

Q.4.Complete the following equations:

- (a) $\text{Mg} + 2\text{HCl} = \underline{\hspace{2cm}}$
- (b) $\text{Na}_2\text{CO}_3 + \text{H}_2\text{SO}_4 = \underline{\hspace{2cm}}$
- (c) $\text{HCl} + \text{NaOH} = \underline{\hspace{2cm}}$
- (d) Acidic solution + phenolphthalein = _____

(e) Basic solution + Yellow Turmeric paper = _____.

(f) Methyl Orange + Acidic Solution = _____.

Q.5. Answer the following questions in brief:

a) How does ant's and bees bite be neutralised?

b) Write the properties of bases and acids.

c) Explain the neutralisation reaction.

d) What are concentrated and dilute acids?

e) How does indigestion in stomach cured?

f) Why vinegar is added to packaged food?