ACIDS, BASES AND SALTS

1. The substance among the following which turns blue litmus to red. ( )

A) NaOH B) KOH C) $Mg(OH)_2$ D) CH_3COOH

2. Correct statement of the following with respect to NaOH ( )

A) Turns red plates to blue B) Terms methyl orange to yellow

C) A and B are correct D) Neither A nor B are correct

3. 1 – HCl Does not change the color of phenolphthalein

2 - NaOH changes methyl orange to red color. ( )

A) Both 1, 2 are true B) Both 1, 2 are false C) 1 is true and 2 is false D) 1 is false and 2 is true.

4. Example for Natural Indicators ( )

A} Litmus B) extracts of red cabbage C) turmeric solution D) all above

5. They do not show any change in red litmus and phenolphthalein.

A) Acid B) Base C) Salt D) A and B

6. They turn methyl orange to red colored solution.

A) Acid B) Base C) Salt D) A and B

They turn phenolphthalein solution to pink color.They turn methyl orange solution to yellow color

A) Acid B) Base C) Salt D) A and B

7. Acid + Metal → Salt + _____ ( )

A) Water B) Base C) Oxygen D) Hydrogen

8. Acid + Base → _____ + Water ( )

A) Salt B) Oxygen C) Hydrogen D) Water

9. _____ + Metal → Salt + Hydrogen ( )

A) Acid B) Some Bases C) A and B D) Non metal

10. The gas evolved in the reactions between acid and metal carbonates or metal hydrogen carbonates. ( )

A) Oxygen B) Hydrogen C) Carbon dioxide D) Carbon monoxide

11. Metal oxide + _____ → Salt + water ( )

A) Acid B) Base C) Salt D) Water

12. Non-metal oxide + _____ → Salt + water ( )

A) Acid B) Base C) Salt D) Water.

13. non- metal oxides are _____ in nature. .

A) Acidic B) Basic C) Neutral D) None above.

14. metal oxides are _____ in nature like metal hydroxides.

A) Acidic B) Basic C) Neutral D) None above

15. The common ion in acid solutions. ( )

A) H^+ B) $[OH^-]$ C) Cl^- D) Na^+

16. The common ion in Alkali solutions. ( )

A) H^+ B) $[OH^-]$ C) Cl^- D) Na^+

17. _____ which are soluble in water are called alkalis.

A) Acidis B) Bases C) salts D) None above

18. Dissociation of acid in presence of water gives. ( )

A) H^+ ions B) OH^- ions C) H_3O^+ ions D) A or C

19. Dissociation of base in presence of water gives.( )

A) H^+ ions B) OH^- ions C) H_3O^+ ions D) A or C

20. 1. Diluting a concentrated acid is an exothermic reaction.

2. Diluting a concentrated base is an exothermic reaction. ( )

A) Statement 1 is correct and 2 is wrong. B) Statement 1 is wrong and 2 is correct.

C) Both statements 1 and 2 are correct. D) Both statements 1 and 2 are wrong.

LIVEWORKSHEETS