

# CHEMISTRY

Board – ICSE

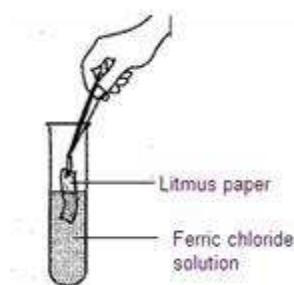
Class – 10<sup>th</sup>

Chapter – Study of Acid , Bases And Salts

1. Name the acids found in: (a) Vinegar (b) Tamarind (c) Lemon (d) Nettle sting
2. Give one difference between: (a) Acids and bases (b) Organic acids and mineral acids
3. A substance 'A' does not dissociate completely into its ions in aqueous solutions. It is bitter in taste and soapy to touch. Identify the substance A.
  - 1) Weak base
  - 2) Weak acid
  - 3) Strong base
  - 4) Strong acid
4. Explain the behaviour of an acid on being dissolved in water.
5. Aqueous solution of sodium hydroxide turns blue litmus
  - 1) Colourless
  - 2) Red
  - 3) Pink
  - 4) No change
6. The natural source of acetic acid is
  - 1) Tomatoes
  - 2) Vinegar
  - 3) Oranges
  - 4) Curd
7. Which of the following is a strong base?
  - 1) Ammonium hydroxide
  - 2) Magnesium hydroxide
  - 3) Calcium hydroxide
  - 4) Potassium hydroxide

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8. What happens when blue litmus paper is dipped in ferric chloride solution?



- 1) Litmus paper turns blue.
- 2) Litmus paper turns red.
- 3) Litmus paper turns yellow.
- 4) Litmus paper turns colourless.

9. "Dry HCl gas does not change the colour of dry blue litmus paper". Give reasons.

10. What is a neutralisation reaction? Give an example.

11. The colour of red litmus will turn blue in

- 1) Glucose solution
- 2) Cold drink
- 3) Nitric acid
- 4) Slaked lime

12. What are the indicators? Give an example.

13. The colour of phenolphthalein in acids is

- 1) Colourless
- 2) Red
- 3) Pink
- 4) Blue

14. Which of the following is an olfactory indicator?

- 1) Onion
- 2) Litmus
- 3) Methyl orange
- 4) Phenolphthalein

15. Which of the following does not conduct electricity?

- 1) Distilled water
- 2) Hydrochloric acid
- 3) Rain water
- 4) Sodium hydroxide

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16. A boy dropped a bottle of hydrochloric acid on an egg shell and noticed bubbles of gas. Explain the chemical reaction involved.

17. What happens when ferric chloride is exposed to atmosphere?

18. An example of a salt which is not a hydrated salt is:

- 1) Epsom salt
- 2) Blue vitriol
- 3) Washing soda
- 4) Sal ammoniac

19. Which of the following is a basic salt?

- 1)  $\text{NaHSO}_4$
- 2)  $\text{NaKCO}_3$
- 3)  $[\text{Mg}(\text{OH})\text{Cl}]$
- 4)  $\text{NaCl}$

20. Write balanced chemical equations for the following:

- (i) Lead carbonate is heated.
- (ii) Dilute nitric acid is added to copper chips.
- (iii) Sulphur dioxide is passed through hydrogen sulphide solution.
- (iv) Ammonia is passed over heated copper oxide.
- (v) Dilute sulphuric acid is added to lead nitrate solution.