

Chemistry Worksheet- Class X Acids, Bases and Salts

Very short answer type questions (1 mark)

1. How will you test for the gas which is liberated when hydrochloric acid reacts with a metal?
2. Which bases are called alkalis? Give an example.
3. Write a balanced chemical equation for the reaction between sodium carbonate and hydrochloric acid indicating the physical state of the reactants and products.
4. Write a balanced chemical equation for neutralization reaction, mentioning the physical state of the reactants and products.
5. What is the colour of litmus in ammonium hydroxide solution?
6. What is the cure for bee sting? Why?
7. Name an indicator which indicates the various levels of hydrogen ion concentration.
8. Which acid and base are used in the formation of the following salts:
(i) CuSO_4 (ii) NaNO_3

Short answer type questions (2 marks)

9. Name the natural source of each of the following acids
(a) citric acid (b) oxalic acid (c) lactic acid (d) tartaric acid.
10. 15 ml of water and 10 ml of sulphuric acid are to be mixed in a beaker.
State the method that should be followed with reason. What is this process called?
11. A student detected the pH of four unknown solutions A, B, C and D as follows: 11, 5, 7 and 2. Predict the nature of the solution.
12. Classify the following salts into acidic, basic and neutral:
Potassium sulphate, ammonium chloride, sodium carbonate, sodium chloride.
13. The soil in a field is highly acidic. List any two materials which can be added to this soil to reduce its acidity. Give the reason for your choice.
14. Explain how antacid works.
15. How is tooth decay related to pH? How can it be prevented?