

CHEMISTRY

ACIDS, BASES AND SALTS

Total Marks: 25

Duration: 0 hours, 20 minutes

Instructions to test takers

1. Answer all the questions in this paper
2. All the answers for the questions in this paper will be found on **Study Star** (www.studystar.me)
3. Using the answers on the website, mark yourself truthfully and carefully.

Turn this page, time yourself and begin the test

Section A [10 marks]

1. Acids that ionizes partially in aqueous solution are called
 - a. Strong acids
 - b. Weak acids
 - c. Amphoteric acids
2. What is the basicity of Phosphoric acid?
 - a. 1
 - b. 2
 - c. 3
3. Bases that dissolve in water are called
 - a. Alkalis
 - b. Alkaline
 - c. Bases
4. Which chemical substance turns red-litmus paper red?
 - a. Acid
 - b. Base
 - c. Salt
5. Which of the following substances is used for fertilization?
 - a. Acid
 - b. Base
 - c. Salt
6. Oxides when oxygen combines with non-metals are classified as
 - a. Acidic oxides
 - b. Basic oxides
 - c. Neutral oxides
7. Sodium oxide is an example of
 - a. Acidic oxides
 - b. Basic oxides
 - c. Amphoteric oxides
8. What is the solubility of NH_4NO_3 in water?
 - a. Soluble
 - b. Insoluble
 - c. Partially soluble
9. Which method of salt preparation can be used to form an insoluble salt?
 - a. Precipitation

b. Crystallization

c. Titration

10. Which chemical substances have a bitter taste?

a. Acid

b. Bases

c. salts

Section B [5 marks]

11. What are proton donors?
12. Which substances have a pH range of 1-6?
13. The reaction between an acid and a base is called _____
14. A chemical compound formed when oxygen combines with any other element is called _____
15. Which method is used to prepare a soluble salt using an acid and a soluble base?

Section C [10 marks]

16. State two properties of an acid. [2]
17. State two effects of an acid. [2]
18. State two characteristics of amphoteric oxides. [2]
19. Briefly explain how you can prepare magnesium sulphate using magnesium carbonate as one of the reactants. [3]
20. Bleach has a pH of 12, what is the medium of bleach? [1]



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