

Acid B Acid Base Chemistry

Sr	Questions	Answers Choice
1	According to Arrhenius concept acid is a substance which dissociates in aqueous solution to give.	A. Proton B. Pair of Electron C. Hydrogen ions D. Hydroxide ion
2	Predict the main characteristics of the reactions of metals with acids.	A. Metals are dissolved B. Hydrogen gas is evolved C. Metals are converted into salts D. All the above mentioned characteristics are true
3	Which one is not an Arrhenius acid?	A. HCl B. H ₂ SO ₄ C. CO ₂ D. HNO ₃
4	A substance which can behave as an acid as well as a base is called	A. Amphoteric species B. Acid C. Base D. Neutral species
5	Milk of magnesia contains Mg(OH) ₂ It is used as antacid It neutralizes excess stomach acid. Which salt is formed in this reaction.	A. MgCl ₂ B. MgSO ₄ C. MgCO ₃ D. MgO
6	A base is a substance which neutralizes an acid. Which of these substances is not a base.	A. Aqueous ammonia B. Calcium oxide C. sodium Chloride D. Sodium carbonate
7	In a neutralization reaction between KOH and H ₃ PO ₄ how many molecules of KOH will react with one molecule of H ₃ PO ₄	A. 1 B. 2 C. 3 D. 4
8	While baking which gas is responsible for raising the bread and making it soft?	A. Oxygen B. Carbon monoxide C. Carbon dioxide D. Nitrogen
9	When acids react with metal carbonates and bicarbonates which gas is produced.	A. N ₂ B. H ₂ C. Cl ₂ D. CO ₂
10	How many hydroxide ions, calcium hydroxide will release in water.	A. 2 B. 1 C. 3 D. zero
11	Which acid is used in the preparation of soap.	A. Oxalic Acid B. Citric Acid C. Stearic Acid D. Tartaric Acid
12	Acidic Acid is used for	A. Cleaning metal B. Etching designs C. Flavouring food D. Making explosives
13	Which of the following contains oxalic acid	A. Orange B. Sour Milk C. Tomato D. Tamarind
14	Which is used to manufacture soap?	A. NH ₄ OH B. Ca(OH) ₂ C. NaOH D. Mg(OH) ₂
15	When acids react with metals which gas is evolved?	A. O ₂ B. N ₂ C. Cl ₂ D. H ₂

D. H₂

16	Ammonia is a base, because it	A. Ionizes in water to give OH ⁻ ions B. Can accept proton C. Contains OH group D. Can accept an electron pair
17	Caustic chemical drain cleaner are capable of dissolving.	A. Hair B. Food C. Grease D. All of these
18	All bases turn red litmus.	A. Blue B. White C. Pink D. Colourless
19	When a chemical reaction is carried out with a substance, a gas is produced which turns red litmus paper blue. What is the reaction?	A. Reaction of an acid with a metal carbonate B. Reaction of an alkali with ammonium salt C. Reaction of an acid with ammonium salt D. None of these
20	According to Arrhenius concept base is a substance which dissociates in aqueous solution to give	A. Hydroxide ions B. Hydrogen ions C. Pair of Electrons D. Proton