

Acid Base Chemistry

Sr	Questions	Answers Choice
1	When a chemical reaction is carried out with a substance Z; 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
2	All Acids turn blue litmus.	A. Pink B. White C. Colourless D. Red
3	All bases turn red litmus.	A. Blue B. White C. Pink D. Colourless
4	When acids react with metals which gas is evolved?	A. O ₂ B. N ₂ C. Cl ₂ D. H ₂
5	When acids react with metal carbonates and bicarbonates which gas is produced.	A. N ₂ B. H ₂ C. Cl ₂ D. CO ₂
6	Which of the following cannot be classified as Arrhenius acid	A. CO ₂ B. HNO ₃ C. H ₂ CO ₃ D. H ₂ SO ₄
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	Alkalis react with ammonium salts to liberate.	A. CO ₂ B. SO ₂ C. H ₂ D. NH ₃
9	Which compound is formed when SO ₂ is dissolved in water	A. H ₂ SO ₃ B. SO ₃ C. H ₂ SO D. H ₂ SO ₇
10	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
11	According to Bronsted and Lowry concept, an acid is a substance that can donate.	A. Proton B. Electron pair C. Neutron D. Electron
12	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
13	While baking which gas is responsible for raising the bread and making it soft?	A. Oxygen B. Carbon monoxide C. Carbon dioxide D. Nitrogen
14	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
		A. Salt and an acid

15	A reaction between an acid and a base produces	B. Sald and base C. Salt and water D. Salt and gas
16	How many hydroxide ions, calium hydroxide will release in water.	A. 2 B. 1 C. 3 D. zero
17	Milk of magnesia contains $\text{Mg}(\text{OH})_2$ 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
18	Acidic Acid is used for	A. Cleaning metal B. Etching designs C. Flavouring food D. Making explosives
19	Which one is not an Arrhenius base.	A. KOH B. NaOH C. NH_3 D. $\text{Ca}(\text{OH})_2$
20	Which of the following contains oxalic acid	A. Orange B. Sour Milk C. Tomato D. Tamarind