

Acid bases and Salts

Sr	Questions	Answers Choice
1	The base which is used in alkaline batteries is.	A. NaOH B. $\text{Al}(\text{OH})_2$ C. KOH D. $\text{Mg}(\text{OH})_2$
2	Which of the following thing is a lewis base?	A. NH_3 B. BF_3 C. H^+ D. AlCl_3
3	Dilute acids react with carbonates to produce the given products except.	A. Salt B. Water C. Hydrogen D. Carbon dioxide
4	_____ acid is used in lead storage batteries as electrolyte.	A. CH_3COOH B. HCl C. HNO_3 D. H_2SO_4
5	The product of Lewis acid-base reaction is called adduct. The bond between the adduct species is.	A. Ionic B. Covalent C. Metallic D. Co-ordinate covalent
6	The reaction between an acid and a base produces.	A. Salts and water B. Salt and gas C. Salt and an acid D. Salt and an base
7	When HCl and KOH is reacted the salt formed is.	A. Acidic B. Basic C. Normal D. Complex
8	Acetic acid is a weak acid because it.	A. Is used in cooking and flavouring food. B. Has very low pH C. Is not fully ionized D. Does not contain any hydrogen ions.
9	Who proved that the presence of hydrogen as the main constituent of all acids.	A. Lavoisier B. Humphrey Davy C. Dalton D. Arrhenius
10	In the preparation of insoluble salts, which one of the facts is incorrect?	A. Two soluble salts are mixed B. Two in soluble salts are mixed . C. One of the salt produced is insoluble D. Both of the salts produced are insoluble
11	Jabir Bin Haiyan prepared.	A. Nitric Acid B. Hydrochloric acid C. Sulphuric Acid D. All of these
12	Which one is not a characteristic of an acid:	A. it turns red litmus blue B. it reacts with base to form salt and water C. Its aqueous solution conduct electric current D. it has sour taste
13	Acidic solutions have pH value.	A. Less than 7 B. Greater than 7 C. equal to 7 D. None of these
14	A conjugate base is a specie formed by donating a.	A. Proton B. Electron pair C. Neutron D. ...

D. Electron

15 When acids react with metals which gas is evolved?

- A. H_2
- B. O_2
- C. Cl_2
- D. N_2

16 Methyl orange produces which colour in basic solution

- A. Red
- B. Yellow
- C. Pink
- D. White

17 Which salt is used as a table salt?

- A. NaCl
- B. Na_2CO_3
- C. Na_2SiO_3
- D. NaCl

18 Which one is Lewis Acid?

- A. BF_3
- B. $AlCl_3$
- C. $FeCl_3$
- D. All of these

19 Acetic acid is used for:

- A. Etching designs
- B. Clearing metals
- C. Flavouring food
- D. Making explosives

20 Lewis acid-base concept have the following characteristics except:

- A. formation of an adduct
- B. Formation of a co-ordinate covalent bond
- C. Donation and acceptance of an electron pair
- D. Donation and acceptance of a proton