

QUIZ
VII CLASS

ACID, BASES & SALTS

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KKP / MYP CENTRE

- Protein molecules is made up of
a) Malic acid b) Butyric acid c) Amino acid d) Acetic acid
- Red cabbage extract turns _____ in strong base
a) Blue b) Green c) Yellow d) Orange
- Phosphoric acid is
a) H_2PO_2 b) H_3PO_4 c) H_3PO_3 d) PH_3
- Incorrect statement is
a) Strong acids are corrosive b) ZnO is amphoteric
c) Tooth paste is acidic d) Soap solution is basic
- Correct statement is
a) Bee sting can be treated with vinegar solution
b) Lemon juice give relief in indigestion
c) Baking soda is added to milk to make it alkaline
d) Sulphuric acid can be used as antacid
- With which of the following reaction salt and water are formed
a) Metal hydroxide + acid b) Metal Oxide + Acid
c) Alkali + Non metal oxide d) All
- Identify the correct statement
a) Metal oxides & hydroxides are bases
b) Amphoteric substance react with both acid and base to form salt and water
c) Bases produce OH^- ion in water
d) All
- Basicity of phosphoric, Sulphuric acid, Nitric acid respectively
a) 3, 1, 2 b) 1, 2, 3 c) 2, 3, 1 d) 3, 2, 1
- Formula of Nitric acid is
a) HNO_2 b) HNO_3 c) NH_3 d) NH_4OH
- The property common to acids and bases
a) Both sour to taste b) Both soapy to touch
c) Both react with carbonate to form CO_2 gas d) Both are conductors in aqueous solution state
- Identify the tri-acidic base
a) Sodium hydroxide b) Potassium hydroxide c) Calcium hydroxide d) Aluminium hydroxide
- Gypsum salt is
a) Calcium Sulphate b) Zinc Sulphate c) Magnesium Sulphate d) Copper Sulphate
- Green Vitriol is
a) $CuSO_4 \cdot 5H_2O$ b) $FeSO_4 \cdot 5H_2O$ c) $ZnSO_4 \cdot 7H_2O$ d) $MgSO_4 \cdot 7H_2O$
- Acid salt has
a) Replaceable Hydrogen b) Replaceable OH-group
c) Water of Crystallization d) Has no water of crystallization

15. The acid present in Rancid Butter is
 a) Butyric acid b) Lactic acid c) Malic acid d) Tartaric acid
16. Curd contains
 a) Butyric acid b) Lactic acid c) Malic acid d) Tartaric acid
17. Monoacid base example is
 a) $\text{Al}(\text{OH})_3$ b) $\text{Ca}(\text{OH})_2$ c) $\text{Fe}(\text{OH})_2$ d) NH_4OH
18. Pink colour of phenolphthalein turns colourless in
 a) Sodium hydroxide solution b) Soap solution
 c) Hydrochloric acid solution d) Ammonia solution
19. Dibasic acid example is
 a) Acetic acid b) Sulphuric acid c) Nitric acid d) Carbonic acid
20. Soda water contains
 a) Acetic acid b) Sulphuric acid c) Nitric acid d) Carbonic acid
21. Calcium Carbonate is reacted with Hydrochloric acid the gas liberated is
 a) Hydrogen b) Oxygen c) Carbondioxide d) None
22. Neutralization is
 a) Endothermic b) Exothermic c) Both d) None
23. Basic Copper Chloride $\text{Cu}(\text{OH})\text{Cl}$ is
 a) Normal salt b) Acidic salt c) Basic salt d) Hydrate salt
24. Epsom salt is
 a) Normal salt b) Acidic salt c) Basic salt d) Hydrate salt
25. Turmeric paste in water shows the colour change in
 a) Acidic medium b) Basic medium c) Both d) Neutral medium
26. $\text{Ca}(\text{OH})_2 + \text{CO}_2 \rightarrow \text{---} + \text{---}$
 a) $\text{CaO}, \text{H}_2\text{CO}_3$ b) $\text{CaCO}_3, \text{H}_2\text{O}$ c) Ca, CaCO_3 d) $\text{CaCO}_3, \text{H}_2$
27. Litmus turns Blue to Red in
 a) Soap solution b) Sugar solution c) Salt solution d) Vinegar solution
28. Slaked lime is
 a) Acidic b) Basic c) Neutral d) Salt
29. $2\text{NO}_2 + \text{H}_2\text{O} \rightarrow ?$
 a) HNO_2 b) HNO_3 c) Both a and b d) None
30. Identify the weak acid
 a) Sulphuric acid b) Hydrochloric acid c) Nitric acid d) Acetic acid
31. Carbonic acid can be called
 a) Organic acid b) Mineral acid c) Inorganic acid d) Both b and c
32. $\text{Na} + \text{HCl} \rightarrow \text{---} + \text{---}$
 a) $\text{Cl}_2 + \text{NaH}$ b) $\text{NaCl} + \text{H}_2$ c) $\text{Na} + \text{HCl}$ d) None

33. Baking powder contains _____ acid
 a) Oxalic b) Tartaric c) Lactic d) Acetic
34. Identify the basic oxide
 a) CO_2 b) SO_2 c) NO_2 d) Na_2O
35. Amphoteric oxide is
 a) CO_2 b) SO_2 c) ZnO d) CaO

36. Match the following – I

	Column A		Column B
1)	Acetic acid	a)	Rancid butter
2)	Butyric acid	b)	Vinegar
3)	Citric acid	c)	Tamarind
4)	Lactic acid	d)	Citrus fruits
5)	Tartaric acid	e)	Curd

37. Match the following – II

	Column A		Column B
1)	Monobasic acid	a)	Dibasic acid
2)	H_2SO_4	b)	H_3PO_4
3)	Tribasic acid	c)	HCl
4)	Non acidic base	d)	Diacidic base
5)	$\text{Mg}(\text{OH})_2$	e)	NaOH

38. Match the following – III

	Column A		Column B
1)	Blue litmus	a)	Acidic salt
2)	Methyl orange	b)	Turns Red in acid
3)	Phenolphthalein	c)	Hydrated salt
4)	$\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$	d)	No change in base
5)	NaHCO_3	e)	Turns pink in base