

Chemistry



9th Class

Sindh Board Notes

Chapter # 9

Acids Bases And Salts



Solved MCQs

پنجاب، سندھ، بلوچستان، خیبر پختونخواہ، بورڈز کے تمام نوٹس سابقہ پیپرز، اس ویب سائٹ سے فری ڈاؤن لوڈ کریں۔

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Multiple Choice Questions - [MCQs]

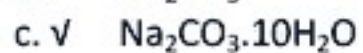
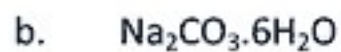
→ ACIDS, BASES AND SALTS

- The substances whose aqueous solution change the blue litmus to red:**
 - ✓ Acids
 - Bases
 - Neutral
 - Salts
- The substances having a tendency to lose one or more protons are called:**
 - ✓ Acids
 - Bases
 - Neutral
 - Salts
- The substances which donate the pair of electrons for bond formation, is known as:**
 - Acids
 - ✓ Bases
 - Neutral
 - Salts
- When equivalent quantities of acid and base are mixed, salt and water are formed, the reactions is termed as:**
 - Hydration
 - Hydrolysis
 - ✓ Neutralization
 - None of these
- The acids, which contain one acidic hydrogen are called**
 - ✓ Mono-protic
 - Di-protic
 - Tri-protic
 - Poly protic
- The number of acidic hydrogen atoms present in a molecule of an acid is called:**
 - Acidity
 - ✓ Basicity
 - Neutral
 - Hydrolysis
- The number of replaceable $[OH^-]$ ions present in a molecule of base is called:**
 - ✓ Acidity
 - Basicity
 - Neutral
 - Hydrolysis
- An acid that produces large number of (H^+) ions in aqueous solution is called:**
 - Strong base
 - Weak base
 - ✓ Strong acid
 - Weak acid
- An ionic compound, that is formed when an acid neutralizes a base, is called:**
 - Acids
 - Bases
 - Neutral
 - ✓ Salts

10. Salts that formed by the reaction of weak acid with strong base are:
- Neutral
 - ✓ Acidic
 - Basic
 - Normal
11. Salts that formed by the reaction of weak acid with strong base are:
- Acidic
 - ✓ Basic
 - Neutral
 - Normal
12. Alums are:
- Single salts
 - ✓ Double salts
 - Triple salts
 - Normal salts
13. The formula of washing soda is.
- Na_2CO_3
 - $\text{Na}_2\text{CO}_3 \cdot 6\text{H}_2\text{O}$
 - ✓ $\text{Na}_2\text{CO}_3 \cdot 10\text{H}_2\text{O}$
 - NaHCO_3
14. All the citrus fruits contain
- Acetic acid
 - ✓ Ascorbic acid
 - Lactic acid
 - Butyric acid
15. All the acids and bases react together to form salt and water, the reaction is called.
- Hydrolysis
 - Decomposition
 - Synthesis
 - ✓ Neutralization
16. According to Arrhenius, a base gives hydroxide OH^- ion in water, while an acid gives
- ✓ Hydrogen ion
 - Metallic ion
 - Non metallic
 - Ammonium ion
17. According to Bronsted - Lowry theory, an acid is a proton donor while a base is a/an.
- ✓ Proton acceptor
 - Electron acceptor
 - Neutron acceptor
 - None of them
18. According to Lewis, an acid is an acceptor of an electron pair while a base is a donor of:
- Proton pair
 - Neutron pair
 - ✓ Electron pair
 - None of them
19. Neutralization is an:
- Endothermic reaction
 - ✓ Exothermic reaction
 - Addition reaction
 - Odd reaction
20. Double salts usually have which molecules attached to their crystals:
- H_2O_2
 - ✓ H_2O
 - CO_2
 - CO

21. **Formic acid is found in:**
a. Lemons
b. Vinegars
c. Grapes
d. Sting of insects
22. **Which is a weak acid?**
a. HCl
b. H_2SO_4
c. HNO_3
d. H_2CO_3
23. **pH of an acid is:**
a. Equal to 7
b. Equal to 14
c. More than 7
d. Less than 7
24. **Na_2CO_3 is called:**
a. Baking soda
b. Caustic Soda
c. Lemon Soda
d. Washing Soda
25. **Formula for potash alum is:**
a. $\text{K}_2\text{SO}_4 \cdot \text{Al}_2(\text{SO}_4)_3 \cdot 24\text{H}_2\text{O}$
b. $\text{K}_2\text{SO}_4 \cdot \text{Al}_2(\text{SO}_4)_3 \cdot 23\text{H}_2\text{O}$
c. $\text{K}_2\text{SO}_4 \cdot \text{Al}_2(\text{SO}_4)_3 \cdot 22\text{H}_2\text{O}$
d. $\text{K}_2\text{SO}_4 \cdot \text{Al}_2(\text{SO}_4)_3 \cdot 21\text{H}_2\text{O}$
26. **The pH of human urine is:**
a. 3 – 5
b. 5 – 7
c. 7 – 9
d. 9 – 11
27. **Copper sulphate is also called:**
a. Blue stone
b. Yellow Stone
c. Gems stone
d. Red Stone
28. **Ascorbic acid is also called vitamin:**
a. A
b. B
c. C
d. D
29. **The acids which contain one acidic hydrogen are called:**
a. Mono-protic
b. Di-protic
c. Tri-protic
d. Poly protic
30. **The number of acidic hydrogen atoms present in a molecule of an acid is called:**
a. Acidity
b. Basicity
c. Neutral
d. Hydrolysis
31. **Alums are:**
a. Single salts
b. Double salts
c. Triple salts
d. Normal salts

32. The formula of Washing Soda is:



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9th Class

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