

Chemistry



9th Class

Sindh Board Notes

Chapter # 14

Sulphur And Its Compound



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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→ SULPHUR & ITS COMPOUND

- Sulphur is the second member of group.**
 - IVA
 - b VA
 - ✓ VIA
 - VIIA
- What is the percentage of sulphur in earth's crust?**
 - 1%
 - ✓ 0.1%
 - 1.1%
 - 0.01%
- The sulphur obtained by Frasch process is**
 - 98%
 - 98.5%
 - ✓ 97.5%
 - ✓ 99.5%
- Which are of the following is non crystalline allotropic forms of sulphur?**
 - Rhombic Sulphur
 - Monoclinic Sulphur
 - ✓ Plastic Sulphur
 - None of these
- Density of rhombic sulphur at 20°C is**
 - ✓ 2.08 g/cm³
 - 2.99g/cm³
 - 3.80g/cm³
 - 1.08 g/cm³
- Shape of the monoclinic sulphur is**
 - Octahedral
 - ✓ Needle shaped
 - Cubic
 - Hedagonal
- Transition temperature for rhombic and monoclinic sulphur is**
 - 95°C
 - ✓ 96°C
 - 97°C
 - 98°C
- Boiling Point of a sulphur is**
 - 333°C
 - 440°C
 - 434°C
 - ✓ 444°C
- Sulphur burns with a bright blue flame to form**
 - ✓ SO₂
 - SO₃
 - H₂S
 - None of these

10. Purity of sulphuric acid obtained by the contact process is
a. 98.99% b. 99%
c. 99.5% d. ✓ 100%
11. The catalyst used in the contact process is
a. V_3O_5 b. P_3O_5
c. ✓ V_2O_5 d. P_2O_5
12. The formula of oleum is
a. HOS_7O_2 b. ✓ $H_2S_2O_7$
c. $H_7O_2S_2$ d. $H_2S_2O_5$
13. Oil of vitriol is
a. Nitric acid b. Hydrochloric acid
c. ✓ Pure conc. Sulphuric acid d. sulphurous acid
14. Specific gravity of conc. Sulphuric acid is
a. ✓ 1.84 b. 1.48
c. 1.55 d. 1.75
15. A process used in the manufacture of sulphuric acid is
a. Frasch Process b. ✓ Contact Process
c. Haber Harch Process d. Froth Floatation process
16. Dilute sulphuric acid reacts with less electropositive metals to liberate
a. SO_2 gas b. H_2S gas
c. SO_3 gas d. ✓ H_2 gas
17. Hot conc. H_2SO_4 oxidizes some metals to their sulphates liberating.
a. SO_3 gas b. H_2 gas
c. ✓ SO_2 gas d. H_2S gas
18. Sulphuric acid is strong
a. Diacid b. ✓ Diabasic
c. Monobasic d. Tribasic
19. Sulphuric acid reacts with sugar to form
a. $CO + H_2O$ b. $CO_2 + H_2O$
c. ✓ $C + H_2O$ d. $CH_2 = CH_2 + H_2O$
20. Blue $CuSO_4 \cdot 5H_2O$ changes into anhydrous white $CuSO_4$ when reacts with
a. Conc. HNO_3 b. Cone. HCl
c. Conc. H_2CO_3 d. ✓ Cone. H_2SO_4

21. Which one of the following is powerful drying or dehydrating agent.
- | | |
|------------------------------|----------------|
| a. ✓ H_2SO_4 | b. HCl |
| c. HNO_3 | d. Oxalic acid |
22. A substance that changes the speed of a chemical reaction without affecting the yield is
- | | |
|--------------------|----------------|
| a. Oxidizing agent | b. ✓ Catalyst |
| c. Reducing agent | d. Electrolyte |
23. Which statement is not true for sulphuric acid?
- | | |
|------------------------|-------------------------------------|
| a. ✓ Food preservation | b. Petroleum refining |
| c. Dehydrating agent | d. Paints and pigment manufacturing |
24. Sulphuric acid reacts with metal oxide like MgO to form water and
- | | |
|-------------------------|-----------------------|
| a. Magnesium Sulphide | b. Magnesium Hydrogen |
| c. ✓ Magnesium Sulphate | d. Magnesium Hydroid |
25. Which statement is not true for sulphur?
- | | |
|--|-------------------------------------|
| a. Use in the manufacture of H_2SO_4 | b. Used for bleaching wood pulp |
| c. Used for disinfecting houses | d. ✓ Used in refining the petroleum |

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9th Class

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10th Class

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