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1. The form of sulphur which is the most stable at ordinary temperature is

- A. Monoclinic
- B. plastic
- C. rhombic
- D. flowers of sulphur

Answer & Explanation

Answer: Option C

Explanation:

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2. The allotrope of sulphur which is insoluble in carbon disulphide is

- A. monoclinic sulphur
- B. rhombic sulphur
- C. milk of sulphur
- D. plastic sulphur

Answer & Explanation

Answer: Option D

Explanation:

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3. Oleum is

- A. a mixture of conc. H_2SO_4 and oil
- B. sulphuric acid which gives fumes of sulphur dioxide
- C. sulphuric acid saturated with sulphur trioxide
- D. a mixture of sulphuric and nitric acid.

Answer & Explanation

Answer: Option C

Explanation:

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4. Oleum may be represented by the formula

A. H_2SO_4

B. H_2SO_3

C. $\text{H}_2\text{S}_2\text{O}_6$

D. $\text{H}_2\text{S}_2\text{O}_7$

Answer & Explanation

Answer: Option D

Explanation:

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5. Oleum gives fumes of

A. H_2SO_4

B. $\text{H}_2\text{O} + \text{SO}_2$

C. SO_2

D. SO_3

Answer & Explanation

Answer: Option D

Explanation:

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6. Which of the following has maximum specific gravity at 18°C?

A. 98.5% H_2SO_4

B. 20% oleum

C. 40% oleum

D. 65% oleum

Answer & Explanation

Answer: Option D

Explanation:

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7. H_2S from petroleum refinery streams is recovered by scrubbing with

A. ethanol

B. ethabol amines

C. water

D. 98.5% H₂SO₄

Answer & Explanation

Answer: Option B

Explanation:

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8. Sulphur is produced by oxidation-reduction of H₂S. The catalyst used in this process is

A. V₂O₅

B. Al₂O₃

C. Pt

D. Ni

Answer & Explanation

Answer: Option B

Explanation:

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9. When sulphur dioxide is passed through a golution of hydrogen sulphide in water

A. sulphuric acid is formed in solution

B. sulphurous acid is formed in solution

C. sulphur is precipitated

D. no change is observed

Answer & Explanation

Answer: Option C

Explanation:

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10. Sulphuric acid produced by contact process is

A. cheaper

B. pure and concentrated

C. of poor quality

D. very dilute

Answer & Explanation

Answer: Option B