

RSGSML Physical Chemistry questions and answers



1. Which one of the following is not used to dope a semiconductor ?

- A.Al
- B.B
- C.In
- D.Au

Answer : Option D

2. The macro-nutrient provided by inorganic fertilization are

- A.C, Fe, B
- B.C, N, P
- C.N, P, K
- D.Mg, Zn, Fe

Answer : Option C

3. When TEL (Tera Ethyl Lead) is added to petrol

- A.It increases the B.P of petrol
- B.Increases the anti-knocking rating
- C.Decreases the B.P of petrol
- D.Decreased the ani-kncking rating

Answer : Option B

4. Which of the Carbon Compounds is used as fire extinguisher ?

- A.CS₂
- B.CHCl₃
- C.CH₃Cl
- D.CCl₄

Answer : Option D

5. Heavy metal pollution of water is caused by

- A.Acid Plants
- B.Paints
- C.Wood Burning
- D.Domestic Sewage

Answer : Option B

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6. Supersonic Aircrafts discharge the following substance into the stratosphere:

- A. SO_2
- B. CO_2
- C. NO_2
- D. CO

Answer : Option C

7. Atmosphere contains dust particles, salt grains, pollen grains, smoke, etc. which are collectively known as :

- A. Water vapour
- B. Ozone
- C. Aerosols
- D. CFC

Answer : Option C

8. When water is added to anhydrous white copper sulphate, the color will change to :

- A. Yellow
- B. Green
- C. Blue
- D. Red

Answer : Option C

9. Due to rusting the weight of iron....

- A. decreases
- B. increases
- C. remains the same
- D. uncertain

Answer : Option B

10. Mass number of a nucleus is

- A. the sum of the number of neutrons and protons
- B. always more than the atomic weight
- C. always less than its atomic number
- D. None of these

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Answer : Option A

11. The material that can be deformed permanently by heat and pressure is called a

- A. Thermoset
- B. Thermoplastic
- C. Chemical Compound
- D. Polymer

Answer : Option A

12. The oil used in the froth floatation process is

- A. Coconut oil
- B. Olive oil
- C. Kerosene
- D. Pine Oil

Answer : Option D

13. Phosphorus is mainly extracted from

- A. Sand
- B. Ash
- C. Bone ash
- D. Fertiliser

Answer : Option C

14. Nylon is prepared from

- A. Adipic acid and hexamethylene diamine
- B. Ethylene glycol and nitric acid
- C. Hexamethylene diamine and phthalic acid
- D. Ethylene glycol and adipic acid

Answer : Option A

15. Which of the following is the main ingredient of cement?

- A. Limestone
- B. Silica Clay
- C. Gypsum

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D.Ash

Answer : Option C