

1. Which of the following is the poorest conductor of heat in comparison to other options?

- [A] Silver
- [B] Copper
- [C] Lead
- [D] Mercury

2. Which among the following oxides cause the Acid rain ?

- [A] Carbon monoxide and carbon dioxide
- [B] Nitrous oxide and sulphur dioxide
- [C] Carbon dioxide and nitrous oxide
- [D] Sulphur dioxide and carbon monoxide

3. The aqueous solution of which among the following acids is called Vinegar?

- [A] Oxalic acid
- [B] Citric acid
- [C] Acetic acid
- [D] Hydrochloric acid

4. "Oil of mirbane" is the most common name of which among the following?

- [A] Phenol
- [B] Toluene
- [C] Phenolphthalein
- [D] Nitrobenzene

5. Which of the following is an alkaline earth metal?

- [A] Potassium
- [B] Lead
- [C] Copper
- [D] Calcium

6. What is the equilibrium distance for Hydrogen atoms?

- [A] 0.54 Å
- [B] 0.64 Å
- [C] 0.74 Å
- [D] 0.84 Å

7. Which of the following factors affect the rate of chemical reaction?

- [A] Concentration of reactants
- [B] Temperature
- [C] Catalyst
- [D] All of the above

8. What is the shape of SF<sub>4</sub> molecule?

- [A] Bent
- [B] See-saw
- [C] Trigonal Pyramidal
- [D] T-shape

9. Which of the following is not a strong electrolyte?

- [A] HCl
- [B] KOH
- [C] H<sub>2</sub>CO<sub>3</sub>
- [D] NaOH

10. Which is the first member of Alkyne series?

- [A] Methyne
- [B] Acetylene
- [C] Propyne
- [D] Ethene

11. Which of the metals is most reactive out of the given options?

- [A] Potassium
- [B] Sodium
- [C] Calcium
- [D] Magnesium

12. Which of the following is the use of Aspirin drug?

- [A] Reduces fever
- [B] helps in skeletal pain
- [C] helps in preventing heart attacks
- [D] All of the above

13. Which of these gases is produced on addition of Baking soda to food items?

- [A] Helium
- [B] Hydrogen
- [C] Carbon dioxide
- [D] Nitrogen

14. Which of these drugs is called as the 'love drug'?

- [A] Mescaline
- [B] MDMA
- [C] Dextromethorphan
- [D] Ketamine

15. Which of the following metals is the first metal used by a man?

- [A] Gold
- [B] Copper
- [C] Silver
- [D] Iron

16. How many type of elements are there in Glucose?

- [A] 3
- [B] 12
- [C] 45
- [D] 6

17. Chewing gum is made from which of the following?

- [A] Resin
- [B] Polystyrene
- [C] Polyvinyl acetate
- [D] Latex

18. Which of the following is the process of gaining electrons?

- [A] Reduction
- [B] Oxidation
- [C] Both Oxidation and Reduction
- [D] Radiation

19. Which two elements were discovered by Marie Curie?

- [A] Polonium and Radium
- [B] Radium and Strontium
- [C] Strontium and Radon
- [D] Radon and Polonium

20. Which one of the following is not a Type of coal?

- [A] Lignite
- [B] Siderite
- [C] Anthracite
- [D] Peat

21. Which substance is produced when nitrogen reacts with hydrogen?

Answer: Ammonia

22. Where was the technique of powder metallurgy invented?

Answer: India

23. Which is the first alloy, a mixture of two metals to be made in the world?

Answer: Bronze

24. Which elements impact corrosion resistance to steel?

Answer: Nickel

25. How many g of  $\text{CaCO}_3$  are present in a sample if there are  $4.52 \times 10^{24}$  atoms of carbon in that sample?

Answer: 751 g