

Chemistry

Q1) What is used in nuclear reactor as a moderator. It is also known as Heavy Water?

Ans -: Deuterium Oxide (D₂O)

Q2) Which Metal is in liquid state at room temperature?

Ans -: Gallium

Q3) _____ elements are non-metal.

Ans -: Electro-negative

Q4) What is known as Artificial Silk.

Ans -: Rayon

Q5) Nitrous Oxide (N₂O) is also known as –

Ans -: Laughing Gas

Q6) Which compound is used to prepare water proof clothes?

Ans -: Calcium hydride

Q7) Which Nobel Gas is also known as 'Stranger Gas'?

Ans -: Xenon

Q8) Which Acid is know as 'Oil of Vitriol'?

Ans -: Sulphuric acid

Q9) For making of parachute, which polymeric substance used?

Ans -: Viscose

Q10) Acid rain is caused when the air is polluted by _____ Gases.

Ans -: Nitrous Oxide & Sulphur dioxide

Q11) All noble gases are _____ & _____.

Ans -: Colourless and Odourless

Q12) _____ is used as a Water Purifier.

Ans -: Alum

Q13) Aluminium is extracted from which ore?

Ans -: Bauxite

Q14) The _____ Process is used to synthesized Ammonia (NH₃)?

Ans -: Haber's Process

Q15) Which compound/acid commonly known as Aspirin?

Ans -: Acetylsalicylic Acid

Q16) _____ gas used to fill Balloons.

Ans -: Helium

Q17) _____ is also known as Baryta Water?

Ans -: Barium Hydroxide

Q18) Best sources for Vitamin D are –

Ans -: Sunlight & Fish liver

Q19) Which gas is the chief component of Bio-gas?

Ans -: Methane

Q20) _____ is the purest form of Carbon found in Nature.

Ans -: Diamond

Q21) The Chemical name of 'Washing Soda' is –

Ans -: Sodium Carbonate

Q22) What is the Chemical name of Chromic Acid?

Ans -: Chromium trioxide

Q23) Chemical name of Picric Acid is –

Ans -: Tri Nitro Phenol

Q24) In Photography, which chemical used as a fixer.

Ans -: Sodium thiosulphate

Q25) What are used to control the chain reaction in a nuclear reactor?

Ans -: Cadmium rods

Q26) In sunlight, Chloroform is converted into _____, a poisonous gas.

Ans -: Phosgene

Q27) Which Vitamin contains Cobalt?

Ans -: Vitamin B12

Q28) _____ is one of the most common preservatives used in food processing industry?

Ans -: Benzoic Acid

Q29) Which compounds are responsible for permanent hardness of water?

Ans -: Sulphates and Chlorides of Calcium and Magnesium

Q30) The temporary hardness of water is caused of because of which compounds?

Ans -: Bicarbonates of Calcium and Magnesium

Q31) Copper is extracted from which ore?

Ans -: Copper Pyrite

Q32) When there is _____, Dead organisms are transformed into petroleum and natural gas.

Ans -: Absence of air

Q33) Deuterium is _____ of Hydrogen.

Ans -: Isotope

Q34) the weight of iron is _____, when it is undergoing the process of 'rusting'.

Ans -: Increases

Q35) Efficiency of the catalyst depends on its –

Ans -: Molecular State

Q36) Egg shell is made up of _____.

Ans -: Calcium Carbonate

Q37) Which Vitamins are Fat Soluble?

Ans -: A, D, E & K

Q38) Which was the First organic compound synthesized in a lab and it was done by whom?

Ans -: Urea by Friedrich Wöhler

Q39) Fuse wire is made up of _____.

Ans -: Lead and Tin

Q40) _____ is used to coat Galvanised Iron.

Ans -: Zinc

Q41. Which Gases are used by sea divers for under water breathing?

Ans -: Oxygen & Helium

Q42. _____ & _____ gases are helpful for ripening of raw fruits.

Ans -: Ethylene & Acetylene

Q43. The _____ found in an ore is known as Gangue.

Ans -: Impurities

Q44. Iron is extracted from which ore?

Ans -: Hematite

Q45. Kerosene is a mixture of _____.

Ans -: Aliphatic hydrocarbons

Q46. Which Element is used for making of Lead pencil.

Ans -: Graphite

Q47. The lightest metal is _____.

Ans -: Lithium

Q48. _____ is the main ore of Mercury.

Ans -: Cinnabar

Q49. Which Metal is found in the highest proportion in earth's crust?

Ans -: Aluminium

Q50. Mine explosions are mostly caused by mixing of Air & _____.

Ans -: Methane

Q51. What is the compound used to in Nail polish remover?

Ans -: Acetone

Q52. Natural rubber is a polymer derived from_____.

Ans -: Isoprene

Q53. The coating on non-stick cookware is of_____.

Ans -: polytetrafluoroethylene (PTFE) – TEFLON

Q54. The Nuclear Fusion on the Sun's surface result into formation of_____Atoms.

Ans -: Helium

Q55. Organic Compounds are only soluble in_____.

Ans -: Non-polar solvents

Q56._____is also know as "FOOL'S GOLD".

Ans -: Iron Pyrite

Q57. In an Oxidation process_____happens.

Ans -: Loss of electrons

Q58. Oxides of metals are_____.

Ans -: Alkaline

Q59. Ozone is_____in nature.

Ans -: Diamagnetic

Q60. The chemical composition of paper is that of a_____.

Ans -: Cellulose

Q61. Paraffin wax is_____.

Ans -: Saturated hydrocarbon

Q62. In which type of Rocks is Petroleum (Fossil Fuel) is found?

Ans -: Sedimentary Rocks

Q63. _____ is also called White Gold.

Ans -: Platinum

Q64. Which is the purest form of Iron?

Ans -: Wrought Iron

Q65. Which Ore is used to extract Radium?

Ans -: Pitchblende

Q66. Solder is an alloy of_____.

Ans -: Tin and Lead

Q67. Which Radioactive Isotope is used in Cancer treatment?

Ans -: Cobalt – 60

Q68. _____ is the element common to all acids.

Ans -: Hydrogen

Q69. _____ is created by Alloying Iron and Chromium.

Ans -: Stainless Steel

Q70. The lustre of a metal is due to_____.

Ans -: Presence of free electrons

Q71. Which Mineral element is found in chlorophyll?

Ans -: Magnesium

Q72. The most abundant element in the earth's crust is –

Ans -: Oxygen

Q73. The term 'catalysis' was coined by_____.

Ans -: Jöns Jakob Berzelius

Q74. Which element is the primary reason for radioactivity found in human body?

Ans -: Potassium – 40

Q75. Germanium, an ultrapure metal is purified by which method?

Ans -: Zone refining

Q76. Tooth enamel is made up of_____.

Ans -: hydroxyapatite, a mineral compound of calcium and phosphate

Q77. Which gas is filled inside a Tube light?

Ans -: Mercury Vapour & Argon

Q78. _____ is an aqueous solution of Acetic acid.

Ans -: Vinegar

Q79. Which Vitamins are Water Soluble?

Ans -: Vitamin B complex & Vitamin C

Q80. Silver turns black (Tarnish) because of its reaction with_____.

Ans -: Sulphur

Q81. Melting of ice can be prevented with the use of –

Ans -: Gelatin

Q82. A Bee Sting contains which Acid?

Ans -: Methanoic Acid

Q83. An Orange contains _____ Acid.

Ans -: Citric Acid

Q84. Etching of glass is done with the help of _____.

Ans -: Hydrofluoric acid (HF)

Q85. Which acid is used in soft drinks?

Ans -: Carbonic acid (H₂CO₃)

Q86. Silver Iodide is used as a 'seed' agent for making of –

Ans -: Artificial Rain

Q87. _____ is used as a catalyst for the synthesis of Sulphuric Acid by Contact Process.

Ans -: Platinum (Pt)

Q88. Vanaspati Ghee is synthesized with the help of which catalyst?

Ans -: Nickle (Ni)

Q89. Swelling of bread takes place because of –

Ans -: Carbon dioxide

Q90. Cigarette lighters contain _____ Gas.

Ans -: Butane

Q91. Which gas is used in fire extinguisher?

Ans -: Carbon dioxide

Q92. _____ is termed as 'Metal of Future'.

Ans -: Titanium

Q93. Safety matches are prepared using –

Ans -: Red Phosphorous

Q94. A Photoelectric cell contains _____ metal.

Ans -: Selenium

Q95. Zinc Phosphide is used as?

Ans -: Rat Poison

Q96. Which is the hardest substance found in human body?

Ans -: Tooth Enamel

Q97. Ozone is an _____ of Oxygen.

Ans -: Allotrope

Q98. Which Metal is naturally Anti-Bacterial?

Ans -: Copper

Q99. Which was the first element to be produced after Big Bang?

Ans -: Hydrogen

Q100. If you pour a handful of salt into a glass of water, the water level will _____.

Ans -: Go Down