



SCIENCE

MANIA QUIZ

SYLLABUS



GRADE 11&12

QUESTION: 1. What is the SI unit of force?

- a) Joule b) **Newton** c) Pascal d) Watt

QUESTION: 2. Which of the following is a scalar quantity?

- a) Velocity b) Force c) **Work** d) Acceleration

QUESTION: 3. The acceleration due to gravity on the Moon is approximately:

- a) 9.8 m/s^2 b) **1.6 m/s^2** c) 3.7 m/s^2 d) 0 m/s^2

QUESTION: 4. The phenomenon of electromagnetic induction was discovered by:

- a) **Faraday** b) Newton c) Maxwell d) Tesla

QUESTION: 5. What type of mirror is used in vehicle rearview mirrors?

- a) **Convex** b) Concave c) Plane d) Cylindrical

QUESTION: 6. Which wave property determines the loudness of a sound?

- a) Frequency b) Wavelength c) **Amplitude** d) Speed

QUESTION: 7. The SI unit of electric charge is:

- a) **Coulomb** b) Ampere c) Ohm d) Volt

QUESTION: 8. The resistance of a conductor depends on:

- a) **Length** b) Area of cross-section c) Temperature d) All of the above

QUESTION: 9. The speed of light in a vacuum is approximately:

- a) **$3 \times 10^8 \text{ m/s}$** b) $1.5 \times 10^8 \text{ m/s}$ c) $3 \times 10^6 \text{ m/s}$ d) $1 \times 10^9 \text{ m/s}$

QUESTION: 10. The first law of thermodynamics is based on the principle of:

- a) **Conservation of energy** b) Conservation of mass c) Entropy d) Heat transfer

QUESTION: 11. The pH of pure water is:

- a) 5 b) 8 c) **7** d) 9

QUESTION: 12. Which gas is known as "laughing gas"?

- a) **Nitrous oxide (N_2O)** b) Carbon monoxide (CO)
c) Sulfur dioxide (SO_2) d) Oxygen (O_2)

QUESTION: 13. The chemical formula of common salt is:

- a) **NaCl** b) KCl c) MgCl_2 d) CaCl_2

QUESTION: 14. Which of the following is a noble gas?

- a) **Argon** b) Hydrogen c) Chlorine d) Oxygen

QUESTION: 15. The atomic number represents the number of:

- a) Neutrons **b) Protons** c) Electrons d) Nucleons

QUESTION: 16. The most abundant element in the Earth's crust is:

- a) Oxygen** b) Silicon c) Aluminum d) Iron

QUESTION: 17. A catalyst:

- a) Slows down a reaction **b) Increases the rate of reaction**
c) Is consumed in the reaction d) Stops the reaction

QUESTION: 18. The gas responsible for the greenhouse effect is:

- a) Carbon dioxide (CO₂)** b) Oxygen (O₂) c) Nitrogen (N₂) d) Hydrogen (H₂)

QUESTION: 19. The hardest natural substance is:

- a) Gold **b) Diamond** c) Graphite d) Quartz

QUESTION: 20. The chemical name of vinegar is:

- a) Hydrochloric acid **b) Acetic acid** c) Citric acid d) Sulfuric acid

QUESTION: 21. The functional unit of the kidney is:

- a) Nephron** b) Alveolus c) Neuron d) Villus

QUESTION: 22. Which vitamin is produced in the human body when exposed to sunlight?

- a) Vitamin D** b) Vitamin A c) Vitamin C d) Vitamin B12

QUESTION: 23. The process of cell division in somatic cells is called:

- a) Meiosis **b) Mitosis** c) Binary fission d) Budding

QUESTION: 24. The universal donor blood group is:

- a) A b) B **c) O** d) AB

QUESTION: 25. The powerhouse of the cell is:

- a) Mitochondria** b) Ribosome c) Nucleus d) Golgi apparatus

QUESTION: 26. DNA stands for:

- a) Deoxyribonucleic acid** b) Dextrose nitrogen acid
c) Double nitrogen acid d) Deoxyribose amino acid

QUESTION: 27. The main function of the red blood cells is:

- a) Transport oxygen** b) Fight infections
c) Produce antibodies d) Digest food

QUESTION: 28. Which part of the plant is responsible for photosynthesis?

- a) Leaf** b) Root c) Stem d) Flower

QUESTION: 29. The largest organ in the human body is:

- a) Skin b) Liver c) Heart d) Brain

QUESTION: 30. Which disease is caused by a virus?

- a) Influenza b) Tuberculosis c) Malaria d) Diabetes

QUESTION: 31. What is the chemical symbol for gold?

- a) Ag b) Au c) Pb d) Fe

QUESTION: 32. The study of fossils is called:

- a) Paleontology b) Archaeology c) Geology d) Anthropology

QUESTION: 33. The nearest planet to the Sun is:

- a) Mercury b) Venus c) Earth d) Mars

QUESTION: 34. The instrument used to measure atmospheric pressure is:

- a) Barometer b) Thermometer c) Hydrometer d) Altimeter

QUESTION: 35. What is the main component of natural gas?

- a) Methane b) Ethane c) Propane d) Butane

QUESTION: 36. Which metal is liquid at room temperature?

- a) Mercury b) Iron c) Aluminum d) Lead

QUESTION: 37. The ozone layer protects Earth from:

- a) Infrared rays b) Ultraviolet rays c) X-rays d) Radio waves

QUESTION: 38. Which organ in the human body produces insulin?

- a) Pancreas b) Liver c) Stomach d) Kidney

QUESTION: 39. The boiling point of water at sea level is:

- a) 90°C b) 101°C c) 100°C d) 120°C

QUESTION: 40. The smallest bone in the human body is:

- a) Stapes b) Femur c) Tibia d) Ulna

QUESTION: 41. Which of the following is a unit of power?

- a) Joule b) Watt c) Newton d) Coulomb

QUESTION: 42. The force that opposes the relative motion between two surfaces is called:

- a) Friction b) Gravity c) Inertia d) Tension

QUESTION: 43. The SI unit of pressure is:

- a) Torr b) Bar c) Pascal d) Newton per meter

QUESTION: 44. What type of energy is stored in a stretched rubber band?

- a) Kinetic energy **b) Potential energy** c) Thermal energy d) Chemical energy

QUESTION: 45. A light-year is a unit of:

- a) Time **b) Distance** c) Speed d) Energy

QUESTION: 46. The bending of light when it passes from one medium to another is called:

- a) Reflection **b) Refraction** c) Diffraction d) Dispersion

QUESTION: 47. The principle that states that every action has an equal and opposite reaction is:

- a) Newton's First Law b) Newton's Second Law
c) Newton's Third Law d) Law of Conservation of Energy

QUESTION: 48. A device used to measure current is called:

- a) Voltmeter **b) Ammeter** c) Galvanometer d) Ohmmeter

QUESTION: 49. The energy of an object due to its motion is called:

- a) Kinetic energy** b) Potential energy c) Mechanical energy d) Thermal energy

QUESTION: 50. Sound cannot travel through:

- a) Water b) Air c) Steel **d) Vacuum**

QUESTION: 51. The atomic number of oxygens is:

- a) 6 **b) 8** c) 10 d) 12

QUESTION: 52. The most abundant gas in Earth's atmosphere is:

- a) Oxygen **b) Nitrogen** c) Carbon dioxide d) Hydrogen

QUESTION: 53. The process of converting a liquid to a gas is called:

- a) Condensation b) Sublimation **c) Evaporation** d) Freezing

QUESTION: 54. Which element is known as the "King of Chemicals"?

- a) Hydrogen **b) Sulfuric acid** c) Chlorine d) Sodium

QUESTION: 55. The metal that reacts with water to produce hydrogen gas is:

- a) Sodium** b) Copper c) Silver d) Gold

QUESTION: 56. The gas used in balloons to make them float is:

- a) Oxygen **b) Helium** c) Hydrogen d) Carbon dioxide

QUESTION: 57. The pH value of an acidic solution is:

- a) Less than 7** b) 7 c) Greater than 7 d) 10

QUESTION: 58. A chemical reaction in which heat is absorbed is called:

- a) Endothermic b) Exothermic c) Combustion d) Neutralization

QUESTION: 59. Which acid is present in lemon juice?

- a) Citric acid b) Acetic acid c) Sulfuric acid d) Nitric acid

QUESTION: 60. The chemical formula for ammonia is:

- a) NH_3 b) CH_4 c) H_2SO_4 d) CO_2

QUESTION: 61. The process by which green plants make their own food is called:

- a) Respiration b) Photosynthesis c) Digestion d) Fermentation

QUESTION: 62. The longest bone in the human body is:

- a) Tibia b) Femur c) Radius d) Humerus

QUESTION: 63. The process of breaking down food to release energy is called:

- a) Respiration b) Photosynthesis c) Digestion d) Fermentation

QUESTION: 64. The study of cells is called:

- a) Botany b) Cytology c) Zoology d) Anatomy

QUESTION: 65. Which part of the brain controls balance and coordination?

- a) Cerebellum b) Cerebrum c) Medulla oblongata d) Hypothalamus

QUESTION: 66. Which vitamin is essential for blood clotting?

- a) Vitamin A b) Vitamin C c) Vitamin K d) Vitamin D

QUESTION: 67. Which type of blood cells fight infections?

- a) White blood cells b) Red blood cells c) Platelets d) Plasma

QUESTION: 68. Which organ in the human body filters waste from the blood?

- a) Liver b) Kidney c) Stomach d) Lungs

QUESTION: 69. What is the primary function of the large intestine?

- a) Digestion of food b) Absorption of water
c) Production of enzymes d) Breakdown of proteins

QUESTION: 70. Which planet is known as the "Red Planet"?

- a) Venus b) Mars c) Jupiter d) Saturn

QUESTION: 71. The Earth's innermost layer is called:

- a) Mantle b) Core c) Crust d) Lithosphere

QUESTION: 72. The main component of the Sun is:

- a) Hydrogen b) Oxygen c) Carbon d) Helium

QUESTION: 73. The instrument used to measure earthquakes is called:

- a) Barometer b) Seismograph c) Thermometer d) Anemometer

QUESTION: 74. The largest planet in the solar system is:

- a) Saturn b) Jupiter c) Earth d) Uranus

QUESTION: 75. The device used to measure wind speed is called:

- a) Anemometer b) Barometer c) Thermometer d) Hygrometer

QUESTION: 76. The most common gas in stars is:

- a) Hydrogen b) Helium c) Oxygen d) Carbon dioxide

QUESTION: 77. The process by which plants lose water vapor through their leaves is called:

- a) Transpiration b) Photosynthesis c) Evaporation d) Respiration

QUESTION: 78. The branch of science that deals with the study of the universe is called:

- a) Geology b) Astronomy c) Biology d) Physics

QUESTION: 79. The Earth's rotation causes:

- a) Day and night b) Seasons c) Tides d) Climate change

QUESTION: 80. The smallest unit of matter is:

- a) Atom b) Molecule c) Proton d) Neutron

QUESTION: 81. The layer of the atmosphere that contains the ozone layer is:

- a) Troposphere b) Stratosphere c) Mesosphere d) Thermosphere

QUESTION: 82. What percentage of the Earth's surface is covered by water?

- a) 50% b) 60% c) 71% d) 80%

QUESTION: 83. What type of rock is granite?

- a) Sedimentary b) Igneous c) Metamorphic d) Fossilized

QUESTION: 84. The deepest ocean in the world is:

- a) Pacific Ocean b) Atlantic Ocean c) Indian Ocean d) Arctic Ocean

QUESTION: 85. The SI unit of work is:

- a) Watt b) Joule c) Newton d) Pascal

QUESTION: 86. The ability of a material to return to its original shape after deformation is called:

- a) Plasticity **b) Elasticity** c) Rigidity d) Malleability

QUESTION: 87. Which of the following waves require a medium to travel?

- a) Light waves **b) Sound waves** c) Radio waves d) X-rays

QUESTION: 88. The tendency of an object to resist a change in motion is called:

- a) Inertia** b) Momentum c) Force d) Acceleration

QUESTION: 89. The first artificial satellite launched into space was:

- a) Apollo 11 **b) Sputnik 1** c) Voyager 1 d) Hubble

QUESTION: 90. The force that pulls objects toward the center of the Earth is called:

- a) Friction b) Magnetism **c) Gravity** d) Inertia

QUESTION: 91. The process of a solid changing directly into a gas is called:

- a) Evaporation b) Condensation **c) Sublimation** d) Freezing

QUESTION: 92. A device that converts electrical energy into mechanical energy is called a:

- a) Motor** b) Generator c) Transformer d) Battery

QUESTION: 93. The unit of frequency is:

- a) Decibel **b) Hertz** c) Ampere d) Volt

QUESTION: 94. The scientist who developed the laws of motion was:

- a) Albert Einstein **b) Isaac Newton** c) Galileo Galilei d) Nikola Tesla

QUESTION: 95. The process of removing salt from seawater is called:

- a) Filtration **b) Desalination** c) Distillation d) Sedimentation

QUESTION: 96. The chemical formula for rust is:

- a) FeO **b) Fe₂O₃** c) FeS d) FeCl₃

QUESTION: 97. The pH value of pure lemon juice is approximately:

- a) 2 **b) 3** c) 5 d) 7

QUESTION: 98. Which element is used in thermometers?

- a) Lead **b) Mercury** c) Iron d) Copper

QUESTION: 99. The chemical formula of baking soda is:

- a) NaHCO₃** b) Na₂CO₃ c) CaCO₃ d) K₂CO₃

QUESTION: 100. The reaction of an acid with a base produce:

- a) Oxygen **b) Salt and water** c) Hydrogen gas d) Carbon dioxide

QUESTION: 101. What is the process of breaking down a compound into its elements using electricity?

- a) Electrolysis** b) Distillation c) Fermentation d) Polymerization

QUESTION: 102. Which metal is the best conductor of electricity?

- a) Aluminum **b) Silver** c) Iron d) Gold

QUESTION: 103. The metal used in making aircraft because of its low density is:

- a) Aluminum** b) Iron c) Copper d) Nickel

QUESTION: 104. The major component of glass is:

- a) Silica (SiO₂)** b) Sodium chloride c) Carbon dioxide d) Calcium sulfate

QUESTION: 105. The largest artery in the human body is the:

- a) Pulmonary artery **b) Aorta** c) Coronary artery d) Renal artery

QUESTION: 106. Which type of muscle is involuntary?

- a) Cardiac muscle** b) Skeletal muscle c) Voluntary muscle d) Biceps

QUESTION: 107. The smallest unit of life is:

- a) Organ **b) Cell** c) Tissue d) Organ system

QUESTION:108. The pigment responsible for skin color is:

- a) Hemoglobin **b) Melanin** c) Keratin d) Collagen

QUESTION:109. Which part of the cell controls its activities?

- a) Nucleus** b) Cytoplasm c) Mitochondria d) Cell membrane

QUESTION:110. The main function of white blood cells is:

- a) Transport oxygen **b) Fight infections** c) Clot blood d) Digest food

QUESTION:111. A plant that grows in the desert is called a:

- a) Hydrophyte **b) Xerophyte** c) Mesophyte d) Saprophyte

QUESTION:112. The hormone responsible for regulating blood sugar levels is:

- a) Estrogen **b) Insulin** c) Adrenaline d) Thyroxine

QUESTION:113. Which vitamin is responsible for good vision?

- a) Vitamin A** b) Vitamin C c) Vitamin D d) Vitamin E

QUESTION:114. Which type of reproduction involves only one parent?

- a) Asexual reproduction b) Sexual reproduction c) Binary fission d) Pollination

QUESTION:115. The Sun is composed mainly of:

- a) Hydrogen and helium
b) Oxygen and nitrogen
c) Carbon and iron
d) Silicon and aluminum

QUESTION:116. The study of the Earth's structure is called:

- a) Geology** b) Biology c) Astronomy d) Chemistry

QUESTION:117. The gas essential for respiration is:

- a) Carbon dioxide **b) Oxygen** c) Nitrogen d) Helium

QUESTION:118. Which is the longest river in the world?

- a) Nile b) Amazon c) Yangtze d) Mississippi

QUESTION:119. The process by which water circulates between the Earth's surface and the atmosphere is called:

- a) **Water cycle** b) Photosynthesis c) Carbon cycle d) Respiration

QUESTION:120. Which layer of the atmosphere contains weather phenomena?

- a) Troposphere b) Stratosphere c) Mesosphere d) Thermosphere

QUESTION:121. Which mineral is essential for strong bones and teeth?

- a) Calcium b) Iron c) Magnesium d) Sodium

QUESTION:122. What is the hardest natural substance on Earth?

- a) Gold **b) Diamond** c) Iron d) Quartz

QUESTION:123. What causes ocean tides?

- a) Wind b) Earth's rotation **c) Moon's gravitational pull** d) Earth's magnetic field

QUESTION:124. The process by which plants release oxygen is called:

- a) Photosynthesis** b) Respiration c) Fermentation d) Pollination

QUESTION:125. The largest desert in the world is:

- a) Sahara Desert b) Arabian Desert c) Gobi Desert d) Kalahari Desert

QUESTION:126. The deepest point in the ocean is:

- a) Mariana Trench b) Java Trench c) Puerto Rico Trench d) Tonga Trench

QUESTION:127. Which gas is most abundant in the Earth's atmosphere?

- a) Nitrogen b) Oxygen c) Carbon dioxide d) Helium

QUESTION:128. The fastest land animal is:

- a) Cheetah b) Lion c) Horse d) Deer

QUESTION:129. The largest mammal on Earth is:

- a) Elephant b) Blue whale c) Giraffe d) Hippopotamus

QUESTION:130. The SI unit of charge is:

- a) Joule b) Coulomb c) Ampere d) Ohm

QUESTION:131. A device that converts sound energy into electrical energy is called:

- a) Speaker b) Microphone c) Transformer d) Capacitor

QUESTION:132. The speed of light in a vacuum is approximately:

- a) 3×10^8 m/s b) 1.5×10^8 m/s c) 300,000 km/s d) 3×10^6 m/s

QUESTION:133. The scientist who discovered the electron is:

- a) Newton b) J.J. Thomson c) Bohr d) Einstein

QUESTION:134. The mirror used in car rear-view mirrors is:

- a) Plane mirror b) Convex mirror c) Concave mirror d) Parabolic mirror

QUESTION:135. A machine that changes mechanical energy into electrical energy is called:

- a) Motor b) Generator c) Transformer d) Battery

QUESTION:136. The term "light amplification by stimulated emission of radiation" refers to:

- a) Photon b) Laser c) X-ray d) Electron

QUESTION:137. The weakest force among the fundamental forces in nature is:

- a) Gravitational force b) Electromagnetic force c) Nuclear force d) Friction

QUESTION:138. The scientist who proposed the theory of relativity is:

- a) Albert Einstein b) Isaac Newton c) Galileo Galilei d) James Maxwell

QUESTION:139. What is the angle of refraction when light enters a medium at a 90° angle?

- a) 0° b) 45° c) 90° d) 180°

QUESTION:140. Which element is present in all organic compounds?

- a) Hydrogen b) Oxygen c) Carbon d) Nitrogen

QUESTION:141. Which gas is known as "laughing gas"?

- a) Nitrous oxide (N₂O) b) Carbon dioxide (CO₂) c) Methane (CH₄) d) Sulfur dioxide (SO₂)

QUESTION:142. The chemical symbol for gold is:

- a) Ag b) Au c) Pb d) Cu

QUESTION:143. The process of converting solid directly into gas is called:

- a) Condensation **b) Sublimation** c) Evaporation d) Distillation

QUESTION:144. The most reactive non-metal is:

- a) Chlorine b) Oxygen **c) Fluorine** d) Bromine

QUESTION:145. The metal that is liquid at room temperature is:

- a) Mercury** b) Lead c) Zinc d) Copper

QUESTION:146. The compound responsible for acid rain is:

- a) Carbon monoxide **b) Sulfur dioxide** c) Nitrogen gas d) Ozone

QUESTION:147. The gas used in fire extinguishers is:

- a) Oxygen **b) Carbon dioxide** c) Hydrogen d) Nitrogen

QUESTION:148. The main element in diamonds is:

- a) Carbon** b) Silicon c) Graphite d) Aluminum

QUESTION:149. The element required for respiration is:

- a) Oxygen** b) Nitrogen c) Hydrogen d) Carbon dioxide

QUESTION:150. The powerhouse of the cell is:

- a) Ribosome **b) Mitochondria** c) Nucleus d) Golgi apparatus

QUESTION:151. The basic unit of heredity is:

- a) Gene** b) Chromosome c) DNA d) RNA

QUESTION:152. Which organ is responsible for detoxification in the human body?

- a) Heart **b) Liver** c) Kidney d) Stomach

QUESTION:153. Which hormone controls blood sugar levels?

- a) Insulin** b) Adrenaline c) Thyroxine d) Estrogen

QUESTION:154. The human heart has how many chambers?

- a) 2 **b) 4** c) 3 d) 5

QUESTION:155. The organ responsible for filtering blood is:

- a) Kidney** b) Liver c) Stomach d) Pancreas

QUESTION:156. The green pigment in plants is called:

- a) Hemoglobin **b) Chlorophyll** c) Carotene d) Melanin

QUESTION:157. Which blood group is the universal donor?

- a) A b) B **c) O negative** d) AB positive

QUESTION:158. The main function of red blood cells is:

- a) Transport oxygen b) Fight infections c) Produce antibodies d) Clot blood

QUESTION:159. The process of cell division in body cells is called:

- a) Meiosis b) Mitosis c) Diffusion d) Fertilization

QUESTION:160. The largest planet in the solar system is:

- a) Mars b) Earth c) Jupiter d) Saturn

QUESTION:161. Which gas is necessary for photosynthesis?

- a) Oxygen b) Carbon dioxide c) Nitrogen d) Hydrogen

QUESTION:162. Which ocean is the largest in the world?

- a) Pacific Ocean b) Atlantic Ocean c) Indian Ocean d) Arctic Ocean

QUESTION:163. The smallest continent by land area is:

- a) Europe b) Australia c) South America d) Antarctica

QUESTION :164. What is the common name for sodium chloride?

- a) Sugar b) Salt c) Baking soda d) Chalk

QUESTION:165. The hardest natural material is:

- a) Iron b) Diamond c) Quartz d) Graphite

QUESTION:166. The study of earthquakes is called:

- a) Seismology b) Volcanolog c) Meteorology d) Geology

QUESTION:167. Which country first landed a man on the moon?

- a) USA b) Russia c) China d) India

QUESTION:168. The ozone layer protects us from:

- a) Ultraviolet rays b) Infrared rays c) Gamma rays d) X-rays

QUESTION:169. The boiling point of water at sea level is:

- a) 90°C b) 110°C c) 100°C d) 95°C

QUESTION:170. What is the process by which a liquid turns into a solid?

- a) Evaporation b) Freezing c) Condensation d) Melting

QUESTION:171. The main component of bones is:

- a) Iron b) Calcium c) Magnesium d) Phosphorus

QUESTION:172. Which instrument measures atmospheric pressure?

- a) Barometer b) Thermometer c) Seismograph d) Anemometer

QUESTION:173. Which planet is closest to the Sun?

- a) Mercury b) Venus c) Earth d) Mars

QUESTION:174. What type of energy is stored in food?

- a) Thermal energy b) Electrical energy **c) Chemical energy** d) Kinetic energy

QUESTION:175. What is the SI unit of force?

- a) Pascal **b) Newton** c) Joule d) Watt

QUESTION:176. Which of the following is a scalar quantity?

- a) Velocity b) Acceleration **c) Speed** d) Force

QUESTION:177. The time taken for a pendulum to complete one full oscillation is called:

- a) Amplitude **b) Time period** c) Frequency d) Wavelength

QUESTION:178. Which law states that "for every action, there is an equal and opposite reaction"?

- a) Newton's First Law b) Newton's Second Law
c) Newton's Third Law d) Law of Gravitation

QUESTION:179. The energy possessed by a body due to its motion is called:

- a) Kinetic energy** b) Potential energy c) Chemical energy d) Thermal energy

QUESTION:180. The bending of light as it passes from one medium to another is called:

- a) Reflection **b) Refraction** c) Diffraction d) Dispersion

QUESTION:181. Sound travels fastest through:

- a) Air **b) Solids** c) Liquids d) Vacuum

QUESTION:182. Which type of mirror is used in torches?

- a) Concave mirror** b) Convex mirror c) Plane mirror d) Cylindrical mirror

QUESTION:183. The ability of a material to be stretched into a wire is called:

- a) Malleability **b) Ductility** c) Hardness d) Brittleness

QUESTION:184. The device that measures electric current is called:

- a) Voltmeter **b) Ammeter** c) Galvanometer d) Ohmmeter

QUESTION:185. Which gas is used in balloons and airships?

- a) Oxygen **b) Helium** c) Hydrogen d) Nitrogen

QUESTION:186. The chemical formula of quicklime is:

- a) CaO** b) CaCO_3 c) Ca(OH)_2 d) MgO

QUESTION:187. The pH of a neutral solution is:

- a) 1 b) 7 c) 7 d) 14

QUESTION:188. The most abundant element in the universe is:

- a) Oxygen b) **Hydrogen** c) Carbon d) Nitrogen

QUESTION:189. Rusting of iron is an example of:

- a) **Oxidation** b) Reduction c) Sublimation d) Hydrolysis

QUESTION:190. The gas that causes the greenhouse effect is:

- a) **Carbon dioxide** b) Oxygen c) Nitrogen d) Hydrogen

QUESTION:191. The process of purifying water by heating and cooling is called:

- a) Filtration b) **Distillation** c) Sedimentation d) Boiling

QUESTION:192. Which acid is found in lemons?

- a) **Citric acid** b) Acetic acid c) Sulfuric acid d) Hydrochloric acid

QUESTION:193. The main constituent of LPG (Liquefied Petroleum Gas) is:

- a) **Propane and butane** b) Methane c) Ethanol d) Oxygen

QUESTION:194. Which metal is used in making coins?

- a) Lead b) **Nickel** c) Zinc d) Mercury

QUESTION:195. The human body has how many pairs of chromosomes?

- a) 20 b) **23** c) 25 d) 30

QUESTION:196. Which vitamin is produced in the skin when exposed to sunlight?

- a) Vitamin A b) Vitamin B c) **Vitamin D** d) Vitamin C

QUESTION :197. The largest organ in the human body is:

- a) Heart b) Liver c) **Skin** d) Brain

QUESTION:198. The enzyme that breaks down proteins in the stomach is:

- a) Amylase b) **Pepsin** c) Trypsin d) Lipase

QUESTION:199. The process of breathing in is called:

- a) Exhalation b) **Inhalation** c) Photosynthesis d) Respiration

QUESTION:200. The plant tissue responsible for transporting water is:

- a) Phloem b) **Xylem** c) Cortex d) Epidermis

QUESTION:201. The fluid part of blood is called:

- a) Red blood cells b) **Plasma** c) Platelets d) Hemoglobin

QUESTION:202. Which organ in the human body produces insulin?

- a) Liver **b) Pancreas** c) Kidney d) Heart

QUESTION:203. The largest gland in the human body is:

- a) Liver b) Pancreas c) Thyroid d) Adrenal gland

QUESTION:204. What is the normal body temperature of a human being?

- a) 37°C b) 35°C c) 40°C d) 32°C

QUESTION:205. The smallest planet in the solar system is:

- a) Mars b) Venus **c) Mercury** d) Earth

QUESTION:206. The fastest spinning planet in the solar system is:

- a) **Jupiter** b) Mars c) Earth d) Venus

QUESTION:207. The first man to walk on the moon was:

- a) **Neil Armstrong** b) Buzz Aldrin c) Yuri Gagarin d) John Glenn

QUESTION:208. The largest satellite in the solar system is:

- a) Titan **b) Ganymede** c) Moon d) Europa

QUESTION:209. The part of a plant responsible for photosynthesis is:

- a) Root b) Stem **c) Leaf** d) Flower

QUESTION:210. What type of rock is granite?

- a) Sedimentary **b) Igneous** c) Metamorphic d) Fossilized

QUESTION:211. The chemical used in matches and fireworks is:

- a) **Phosphorus** b) Sulfur c) Potassium d) Sodium

QUESTION:212. Which gas is known as the "silent killer" because it is colorless, odorless, and toxic?

- a) Oxygen **b) Carbon monoxide** c) Nitrogen d) Hydrogen sulfide

QUESTION:213. Which part of the brain controls balance and coordination?

- a) Cerebrum **b) Cerebellum** c) Medulla d) Hypothalamus

QUESTION:214. The largest freshwater lake in the world is:

- a) **Lake Superior** b) Lake Victoria c) Lake Baikal d) Lake Michigan

QUESTION:215. The most common noble gas in the Earth's atmosphere is:

- a) Helium **b) Argon** c) Neon d) Krypton

QUESTION :216. What is the process by which a caterpillar transforms into a butterfly?

- a) **Metamorphosis** b) Evolution c) Pollination d) Germination

QUESTION:217. The longest bone in the human body is:

- a) Humerus b) **Femur** c) Tibia d) Radius

QUESTION:218. What is the chemical formula of ozone?

- a) O₂ b) **O₃** c) CO₂ d) NO₂

QUESTION:219. Which instrument is used to measure humidity?

- a) Barometer b) Thermometer c) **Hygrometer** d) Anemometer

QUESTION:220. The largest desert in the world is:

- a) Gobi Desert b) **Sahara Desert** c) Kalahari Desert d) Arabian Desert

QUESTION:221. The part of the eye responsible for vision in low light is:

- a) Cone cells b) **Rod cells** c) Retina d) Cornea

QUESTION:222. Which metal is the best conductor of electricity?

- a) **Silver** b) Copper c) Gold d) Aluminum

QUESTION:223. The gas used to disinfect drinking water is:

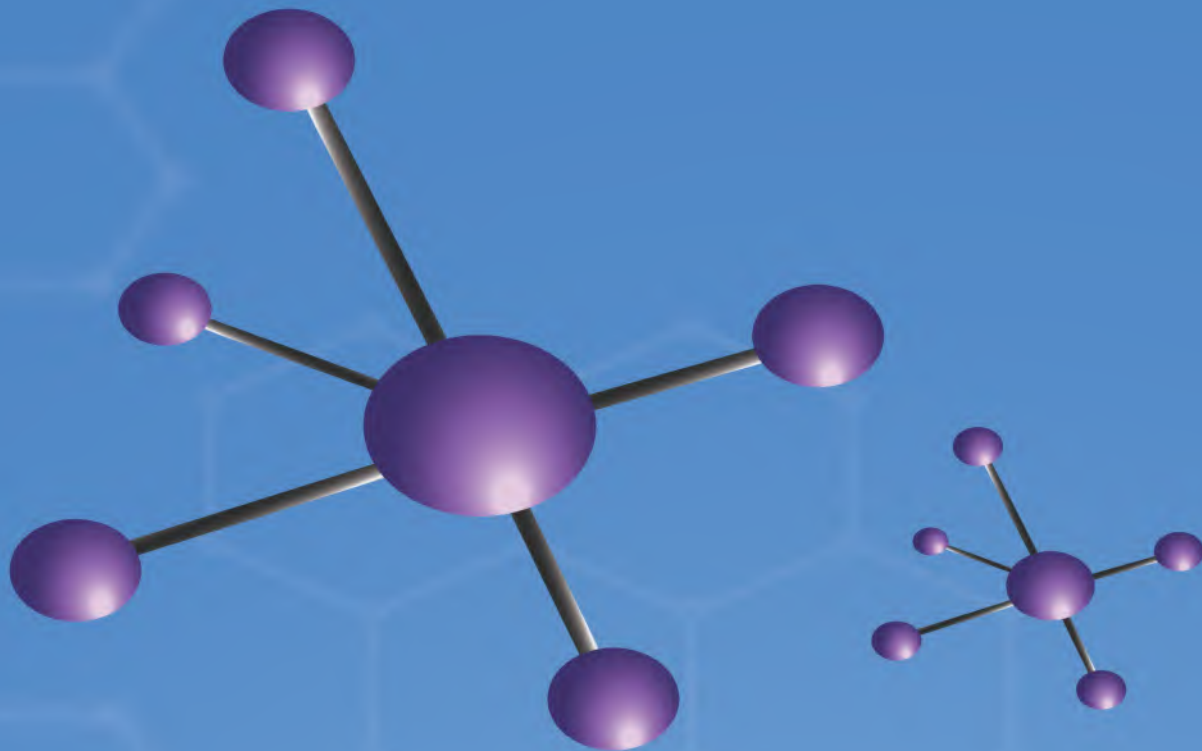
- a) Oxygen b) **Chlorine** c) Carbon dioxide d) Nitrogen

QUESTION:224. What is the pH of pure water?

- a) **7** b) 6 c) 8 d) 9

QUESTION:225. The main component of the Sun is:

- a) Oxygen b) **Hydrogen** c) Carbon d) Nitrogen



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