



SCIENCE MANIA QUIZ

SYLLABUS



GRADE
9&10

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

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

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

- a) First law b) **Third law** c) Second law d) Law of gravitation

3. QUESTION: What is the speed of light in vacuum?

- a) **3×10^8 m/s** b) 3×10^6 m/s c) 3×10^4 m/s d) 3×10^2 m/s

4. QUESTION: The rate of change of velocity is called?

- a) Speed b) Displacement c) **Acceleration** d) Momentum

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

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

6. QUESTION: The phenomenon of splitting of white light into its constituent colors is called?

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

7. QUESTION: The energy stored in an object due to its position is called?

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

8. QUESTION: What is the unit of electrical resistance?

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

9. QUESTION: Which of the following has the highest refractive index?

- a) Air b) **Diamond** c) Water d) Glass

10. QUESTION: The work done is zero when:

- a) Force is applied at an angle b) Object moves in the direction of force
c) **There is no displacement** d) Force is applied perpendicular to displacement

11. QUESTION: The atomic number of oxygens is?

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

12. QUESTION: Which subatomic particle has no charge?

- a) Proton b) Electron c) **Neutron** d) Positron

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

- a) Na_2CO_3 b) NaOH c) **NaCl** d) KCl

14. QUESTION: Which gas is released during photosynthesis?

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

15. QUESTION: The pH of a neutral solution is?

- a) 0 b) 7 c) 7 d) 14

16. QUESTION: What is the chemical name of baking soda?

- a) Sodium bicarbonate b) Sodium chloride
c) Calcium carbonate d) Potassium permanganate

17. QUESTION: The metal present in chlorophyll is?

- a) Iron b) Magnesium c) Zinc d) Copper

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

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

19. QUESTION: The hardest naturally occurring substance is?

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

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

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

21. QUESTION: The basic unit of life is:

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

22. QUESTION: Which of the following is NOT a plant hormone?

- a) Auxin b) Insulin c) Cytokinin d) Gibberellin

23. QUESTION: Which part of the plant conducts photosynthesis?

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

24. QUESTION: The powerhouse of the cell is:

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

25. QUESTION: Which vitamin is produced in human skin when exposed to sunlight?

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

26. QUESTION: What is the main function of the red blood cells?

- a) Digestion b) Fighting infection c) Transporting oxygen d) Producing enzymes

27. QUESTION: The main excretory organ in humans is?

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

28. QUESTION: The enzyme that helps in digestion of proteins is?

- a) Amylase b) Pepsin c) Lipase d) Maltase

29. QUESTION: The longest bone in the human body is?

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

30. QUESTION: The process of conversion of nitrogen gas into usable nitrogen compounds is called?

- a) Denitrification b) Nitrogen fixation c) Photosynthesis d) Respiration

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

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

32. QUESTION: The instrument used to measure atmospheric pressure is?

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

33. QUESTION: The largest organ in the human body is?

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

34. QUESTION: Water boils at:

- a) 100°C** b) 90°C c) 110°C d) 120°C

35. QUESTION: The chemical formula of water is?

- a) H₂O₂ **b) H₂O** c) HCl d) CO₂

36. QUESTION: The main component of Earth's core is?

- a) Iron and nickel** b) Copper and zinc c) Silver and gold d) Aluminum and magnesium

37. QUESTION: The part of the eye responsible for vision in dim light is?

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

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

- a) Two b) Three **c) Four** d) Five

39. QUESTION: The process by which plants lose water through leaves is called?

- a) Photosynthesis **b) Transpiration** c) Respiration d) Germination

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

- a) Influenza** b) Tuberculosis c) Malaria d) Typhoid

41. QUESTION: The SI unit of power is?

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

42. QUESTION: The acceleration due to gravity on Earth is?

- a) 6.67 m/s² **b) 9.8 m/s²** c) 8.9 m/s² d) 10.5 m/s²

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

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

44. QUESTION: The force that opposes motion is called?

- a) Gravitational force b) Centripetal force **c) Friction** d) Magnetic force

45. QUESTION: The unit of work is?

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

46. QUESTION: The time period of a simple pendulum depends on?

- a) Mass of the bob **b) Length of the string** c) Amplitude d) Shape of the bob

47. QUESTION: What is the momentum of a 2 kg object moving at 5 m/s?

- a) 10 kg·m/s b) 7 kg·m/s c) 5 kg·m/s d) 15 kg·m/s

48. QUESTION: The force that keeps planets in orbit around the sun is?

- a) Electrostatic force **b) Gravitational force** c) Magnetic force d) Nuclear force

49. QUESTION: The unit of frequency is?

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

50. QUESTION: Sound cannot travel in?

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

51. QUESTION: The atomic number of carbons is?

- a) 5 **b) 6** c) 7 d) 8

52. QUESTION: The gas used in balloons and airships is?

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

53. QUESTION: Which of the following is an acid?

- a) NaOH b) KOH **c) HCl** d) NH₃

54. QUESTION: Rusting of iron occurs due to?

- a) **Oxygen and water** b) Heat c) Light d) Pressure

55. QUESTION: The atomic number of sodium is?

- a) 10 **b) 11** c) 12 d) 13

56. QUESTION: Which of the following metals is the best conductor of electricity?

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

57. QUESTION: The chemical formula of lime water is?

- a) **Ca(OH)₂** b) H₂SO₄ c) NaOH d) K₂CO₃

58. QUESTION: The process of separating pure metal from its ore is called?

- a) Refining **b) Smelting** c) Corrosion d) Soldering

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

- a) **7** b) 5 c) 9 d) 11

60. QUESTION: The gas responsible for global warming is?

- a) **Carbon dioxide (CO₂)** b) Oxygen (O₂) c) Helium (He) d) Nitrogen (N₂)

61. QUESTION: The structural and functional unit of the kidney is?

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

62. QUESTION: Which vitamin is responsible for blood clotting?

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

63. QUESTION: Which part of the plant absorbs water and minerals?

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

64. QUESTION: Which blood cells fight infections?

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

65. QUESTION: The process of making food in plants is called?

- a) Respiration **b) Photosynthesis** c) Transpiration d) Germination

66. QUESTION: Which gas is produced during respiration?

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

67. QUESTION: The study of fungi is called?

- a) Botany b) Zoology **c) Mycology** d) Ecology

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

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

69. QUESTION: The functional unit of the nervous system is?

- a) **Neuron** b) Axon c) Dendrite d) Brain

70. QUESTION: Which part of the human body produces bile?

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

71. QUESTION: What percentage of the human body is water?

- a) 50% **b) 60-70%** c) 80% d) 30%

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

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

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

- a) Femur **b) Stapes (in the ear)** c) Tibia d) Radius

74. QUESTION: The ozone layer is present in which layer of the atmosphere?

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

75. QUESTION: The human body's normal temperature is:

- a) **37°C** b) 35°C c) 40°C d) 42°C

76. QUESTION: What is the most abundant element in the universe?

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

77. QUESTION: The chemical formula of ammonia is:

- a) H₂O b) CO₂ **c) NH₃** d) CH₄

78. QUESTION: Which disease is caused by a deficiency of iron?

- a) **Anemia** b) Scurvy c) Rickets d) Beriberi

79. QUESTION: The instrument used to measure electric current is:

- a) Voltmeter **b) Ammeter** c) Thermometer d) Hydrometer

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

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

81. QUESTION: A body is moving with uniform velocity. What is the net force acting on it?

- a) Zero** b) Equal to mass of the body
c) Equal to its velocity d) Depends on acceleration

82. QUESTION: If the mass of a body is doubled while keeping the force constant, its acceleration will:

- a) Increase **b) Decrease by half** c) Remain unchanged d) Double

83. QUESTION: The escape velocity of Earth is approximately:

- a) 5 km/s **b) 11.2 km/s** c) 15 km/s d) 20 km/s

84. QUESTION: The angular velocity of a rotating body is measured in:

- a) m/s **b) rad/s** c) m/s^2 d) N·m

85. QUESTION: The work done by a force is negative when:

- a) Displacement is in the direction of force **b) Displacement is opposite to the direction of force**
c) Force is perpendicular to displacement d) The force is zero

86. QUESTION: The time period of a satellite orbiting Earth depends on:

- a) Its mass b) Its speed **c) Its distance from Earth** d) Its shape

87. QUESTION: Which of the following waves can travel through vacuum?

- a) Electromagnetic waves** b) Sound waves c) Mechanical waves d) Water waves

88. QUESTION: The momentum of an object depends on:

- a) Mass and velocity** b) Force and displacement
c) Acceleration and mass d) Time and velocity

89. QUESTION: The moment of inertia depends on:

- a) Only mass **b) Mass and distribution of mass** c) Only speed d) Only radius

90. QUESTION: A transformer is used to:

- a) Convert AC to DC **b) Change voltage levels**
c) Store electrical energy d) Measure resistance

91. QUESTION: The rate of a chemical reaction increases with:

- a) Decreasing temperature **b) Increasing concentration of reactants**
c) Decreasing surface area d) Removing a catalyst

92. QUESTION: The bond present in NaCl is:

- a) Ionic bond b) Covalent bond c) Metallic bond d) Hydrogen bond

93. QUESTION: The general formula for alkanes is:

- a) C_nH_{2n} b) C_nH_{2n+2} c) C_nH_{2n-2} d) C_nH_n

94. QUESTION: The pH of an acidic solution is:

- a) Less than 7 b) Equal to 7 c) More than 7 d) 10

95. QUESTION: The gas produced when an acid reacts with a metal is:

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

96. QUESTION: Which of the following has a triple bond?

- a) Ethane b) Ethyne c) Ethene d) Methane

97. QUESTION: The element with the highest electronegativity is:

- a) Oxygen b) Fluorine c) Chlorine d) Hydrogen

98. QUESTION: The number of valence electrons in aluminum is:

- a) 1 b) 2 c) 3 d) 4

99. QUESTION: Which of the following is NOT an exothermic process?

- a) Combustion b) Condensation c) Melting of ice d) Neutralization

100. QUESTION: The molecular formula of benzene is:

- a) C_6H_6 b) C_4H_{10} c) CH_4 d) C_2H_6

101. QUESTION: The number of chromosomes in a human body cell is:

- a) 23 b) 46 c) 92 d) 21

102. QUESTION: The functional unit of the lungs is:

- a) Nephron b) Alveolus c) Villus d) Bronchus

103. QUESTION: Which of the following is a prokaryotic organism?

- a) Fungi b) Bacteria c) Algae d) Amoeba

104. QUESTION: Which enzyme breaks down starch into maltose?

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

105. QUESTION: The part of the brain responsible for balance and coordination is:

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

106. QUESTION: Which hormone regulates blood sugar levels?

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

107. QUESTION: The movement of molecules from higher to lower concentration is called:

- a) Diffusion b) Osmosis c) Active transport d) Endocytosis

108. QUESTION: Which blood vessel carries oxygenated blood?

- a) Artery b) Vein c) Capillary d) None of these

109. QUESTION: The organ responsible for filtering waste from the blood is:

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

110. QUESTION: DNA is found in which part of the cell?

- a) Ribosome b) Nucleus c) Cytoplasm d) Cell membrane

111. QUESTION: What is the primary gas found in the Sun?

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

112. QUESTION: The hardest part of the human body is:

- a) Bone b) Tooth enamel c) Cartilage d) Skull

113. QUESTION: The unit of pressure is:

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

114. QUESTION: The energy stored in food is:

- a) Kinetic energy b) Chemical energy c) Electrical energy d) Heat energy

115. QUESTION: The process of liquid changing into gas at any temperature is called:

- a) Boiling b) Evaporation c) Condensation d) Sublimation

116. QUESTION: Which of the following has the lowest density?

- a) Iron b) Copper c) Water d) Hydrogen gas

117. QUESTION: The process of heating a solid directly into a gas is called:

- a) Condensation b) Sublimation c) Vaporization d) Crystallization

118. QUESTION: The fluid that transports nutrients and oxygen in the body is:

- a) Plasma b) Blood c) Lymph d) Enzymes

119. QUESTION: Which of the following is NOT a renewable energy source?

- a) Coal b) Solar energy c) Wind energy d) Hydropower

120. QUESTION: The chemical formula of ozone is:

- a) O₃ b) O₂ c) CO₂ d) NO₂

121. QUESTION: If the velocity of an object doubles, its kinetic energy becomes:

- a) Half b) Four times c) Twice d) Unchanged

122. QUESTION: A body is moving in a circular path with constant speed. What is changing?

- a) Speed b) Velocity c) Mass d) Momentum

123. QUESTION: The SI unit of angular momentum is:

- a) N·m b) kg·m²/s c) Joule d) Watt

124. QUESTION: The weight of a body is maximum at:

- a) Equator **b) Poles** c) Inside the Earth d) Space

125. QUESTION: The velocity of sound is maximum in:

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

126. QUESTION: A convex lens can form:

- a) Only real images b) Only virtual images
c) Both real and virtual images d) No image

127. QUESTION: The electrical resistance of a conductor depends on:

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

128. QUESTION: If the frequency of a wave is doubled, its wavelength:

- a) Becomes half** b) Doubles c) Remains same d) Becomes zero

129. QUESTION: The color of an opaque object is determined by:

- a) The color of light it reflects** b) The color of light it absorbs
c) Its density d) Its shape

130. QUESTION: A diode allows electric current to flow in:

- a) One direction only** b) Both directions c) Random directions d) No direction

131. QUESTION: The law of conservation of mass states that:

- a) Mass cannot be created or destroyed** b) Energy cannot be transformed
c) Matter is infinite d) Atoms can be created

132. QUESTION: Which of the following is NOT an alloy?

- a) Bronze b) Brass **c) Graphite** d) Steel

133. QUESTION: The number of neutrons in an atom of $_{17}\text{Cl}^{35}$ is:

- a) 17 **b) 18** c) 35 d) 52

134. QUESTION: The element essential for making proteins is:

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

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

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

136. QUESTION: Which of the following is a metalloid?

- a) Silicon** b) Sodium c) Sulfur d) Aluminum

137. QUESTION: The process of electrolysis is used to:

- a) Mix metals **b) Decompose compounds using electricity**
c) Measure Ph d) Produce heat

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

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

139. QUESTION: Which of the following is an example of a strong electrolyte?

- a) NaCl solution** b) Sugar solution c) Alcohol d) Distilled water

140. QUESTION: The substance used to speed up a chemical reaction without being consumed is called:

- a) Solute **b) Catalyst** c) Inhibitor d) Reactant

141. QUESTION: Which organelle is responsible for energy production in cells?

- a) Ribosome **b) Mitochondrion** c) Nucleus d) Lysosome

142. QUESTION: The functional unit of the nervous system is:

- a) Brain **b) Neuron** c) Spinal cord d) Synapse

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

- a) Photosynthesis **b) Transpiration** c) Respiration d) Digestion

144. QUESTION: The pigment responsible for photosynthesis is:

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

145. QUESTION: The disease caused by a deficiency of Vitamin C is:

- a) Rickets **b) Scurvy** c) Beriberi d) Anemia

146. QUESTION: Which blood component helps in clotting?

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

147. QUESTION: The part of the brain responsible for involuntary actions like breathing and heartbeat is:

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

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

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

149. QUESTION: DNA replication occurs in which part of the cell cycle?

- a) Prophase **b) Interphase** c) Metaphase d) Anaphase

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

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

151. QUESTION: What is the pH of human blood?

- a) 5.6 b) 6.5 **c) 7.4** d) 8.2

152. QUESTION: The process of removing waste from the body is called:

- a) Digestion **b) Excretion** c) Assimilation d) Filtration

153. QUESTION: The layer of the atmosphere where weather occurs is:

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

154. QUESTION: The gas essential for combustion is:

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

155. QUESTION: The instrument used to measure humidity is called:

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

156. QUESTION: Which force is responsible for the tides on Earth?

- a) Gravitational force of the Moon** b) Magnetic force
c) Electrostatic force d) Centripetal force

157. QUESTION: Which organ purifies blood in the human body?

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

158. QUESTION: The powerhouse of a cell is called:

- a) Nucleus b) Golgi body **c) Mitochondria** d) Endoplasmic reticulum

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

- a) 7** b) 5 c) 9 d) 3

160. QUESTION: Which type of energy is stored in food?

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

161. QUESTION: If an object is moving with constant velocity, what is its acceleration?

- a) 9.8 m/s^2 b) 1 m/s^2 **c) 0 m/s^2** d) Cannot be determined

162. QUESTION: The force acting per unit area is called:

- a) Work b) Power **c) Pressure** d) Momentum

163. QUESTION: A car of mass 1000 kg moves with a velocity of 20 m/s. Its momentum is:

- a) $200 \text{ kg}\cdot\text{m/s}$ **b) $20,000 \text{ kg}\cdot\text{m/s}$** c) $5000 \text{ kg}\cdot\text{m/s}$ d) $10,000 \text{ kg}\cdot\text{m/s}$

164. QUESTION: Which of the following has the greatest inertia?

- a) A tennis ball b) A basketball c) A car **d) A truck**

165. QUESTION: The power of a lens is measured in:

- a) Hertz b) Watts **c) Diopters** d) Newton

166. QUESTION: Which of the following produces both longitudinal and transverse waves?

- a) Sound **b) Earthquake** c) Light d) Water ripples

167. QUESTION: The time taken by a pendulum to complete one full oscillation is called:

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

168. QUESTION: The resistance of a wire increases when:

- a) Length increases
- b) Cross-sectional area decreases
- c) Temperature increases
- d) All of the above

169. QUESTION: A transformer works on the principle of:

- a) Electromagnetic induction
- b) Electrolysis
- c) Thermal expansion
- d) Conduction

170. QUESTION: The unit of electric charge is:

- a) Watt
- b) Coulomb
- c) Ohm
- d) Henry

171. QUESTION: The atomic number of an element represents the number of:

- a) Neutrons
- b) Protons
- c) Electrons and neutrons
- d) None of the above

172. QUESTION: The chemical symbol for gold is:

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

173. QUESTION: Which of the following elements has the highest atomic radius?

- a) Oxygen
- b) Fluorine
- c) Cesium
- d) Helium

174. QUESTION: The process of rusting is an example of:

- a) Reduction
- b) Oxidation
- c) Sublimation
- d) Electrolysis

175. QUESTION: Which of the following is an example of a noble gas?

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

176. QUESTION: The formula of washing soda is:

- a) NaHCO_3
- b) $\text{Na}_2\text{CO}_3 \cdot 10\text{H}_2\text{O}$
- c) CaCO_3
- d) NH_4Cl

177. QUESTION: Which of the following acids is used in car batteries?

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

178. QUESTION: The hardest known natural substance is:

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

179. QUESTION: Which type of bond is present in carbon dioxide (CO_2)?

- a) Covalent bond
- b) Ionic bond
- c) Metallic bond
- d) Hydrogen bond

180. QUESTION: The electrolysis of water produces:

- a) Oxygen and nitrogen
- b) Hydrogen and oxygen
- c) Hydrogen and carbon dioxide
- d) Carbon monoxide

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

- a) Mitochondria
- b) Ribosome
- c) Nucleus
- d) Cell membrane

182. QUESTION: The site of protein synthesis in a cell is:

- a) Ribosome
- b) Lysosome
- c) Mitochondria
- d) Nucleus

183. QUESTION: The smallest unit of life is:

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

184. QUESTION: The powerhouse of the cell is:

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

185. QUESTION: Which of the following is an example of a prokaryotic cell?

- a) Human cell b) **Bacteria** c) Fungi d) Plant cell

186. QUESTION: The plant pigment responsible for photosynthesis is:

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

187. QUESTION: The human body has how many chromosomes?

- a) 23 b) **46** c) 44 d) 48

188. QUESTION: The blood cells that fight infections are:

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

189. QUESTION: The kidney helps in:

- a) Digestion b) **Excretion** c) Respiration d) Circulation

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

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

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

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

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

- a) 90°C b) 110°C c) **100°C** d) 120°C

193. QUESTION: The Sun gets its energy from:

- a) Chemical reactions b) **Nuclear fusion** c) Gravitational force d) Combustion

194. QUESTION: Which vitamin is responsible for blood clotting?

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

195. QUESTION: What is the chemical formula of ammonia?

- a) H₂O b) **NH₃** c) CO₂ d) CH₄

196. QUESTION: The SI unit of energy is:

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

197. QUESTION: Which organ in the human body produces bile?

- a) **Liver** b) Stomach c) Pancreas d) Small intestine

198. QUESTION: What type of lens is used to correct myopia?

- a) **Concave lens** b) Convex lens c) Cylindrical lens d) None of the above

199. QUESTION: The phenomenon responsible for the blue color of the sky is:

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

200. QUESTION: The ability of a substance to conduct electricity is called:

- a) Resistance **b) Conductivity** c) Capacitance d) Inductance



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