

SCIENCE MANIA QUIZ

SYLLABUS



GRADE 5 & 6

1. QUESTION: What is the chemical formula of water?

- a) CO₂ b) H₂O c) O₂ d) CH₄

2. QUESTION: What is the powerhouse of the cell?

- a) Nucleus b) Ribosome c) **Mitochondria** d) Chloroplast

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

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

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

- a) Light energy b) **Chemical energy** c) Electrical energy d) Heat energy

5. QUESTION: Which gas is necessary for photosynthesis?

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

6. QUESTION: What do we call an animal that eats only meat?

- a) Herbivore b) **Carnivore** c) Omnivore d) Insectivore

7. QUESTION: Which force pulls objects toward the center of the Earth?

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

8. QUESTION: What is the boiling point of water in Celsius?

- a) **100°C** b) 50°C c) 0°C d) 212°C

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

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

10. QUESTION: Which part of the human body pumps blood?

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

11. QUESTION: What type of rock is formed from cooling lava?

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

12. QUESTION: What is the largest organ in the human body?

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

13. QUESTION: What do plants release during photosynthesis?

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

14. QUESTION: What is the main function of the skeleton?

- a) Store food b) **Support and protect the body**
c) Help in digestion d) Pump blood

15. QUESTION: What causes day and night?

- a) Earth's revolution **b) Earth's rotation** c) The Sun moving d) The Moon's shadow

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

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

17. QUESTION: What is the smallest unit of matter?

- a) Cell **b) Atom** c) Molecule d) Electron

18. QUESTION: What do we call animals that eat both plants and animals?

- a) Herbivores b) Carnivores **c) Omnivores** d) Producers

19. QUESTION: What is the process of changing water into water vapor?

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

20. QUESTION: Which vitamin is produced by the body when exposed to sunlight?

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

21. QUESTION: What gas do humans exhale?

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

22. QUESTION: Which of these is an example of a renewable energy source?

- a) Coal **b) Solar energy** c) Oil d) Gasoline

23. QUESTION: What is the largest planet in the solar system?

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

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

- a) Carry oxygen** b) Fight infections c) Digest food d) Control body temperature

25. QUESTION: What do we call a group of stars forming a pattern?

- a) Constellation** b) Meteor c) Galaxy d) Planet

26. QUESTION: What is the basic unit of life?

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

27. QUESTION: What is another name for the Moon's changing shapes?

- a) Rotation **b) Phases of the Moon** c) Eclipse d) Orbit

28. QUESTION: What type of blood vessel carries blood away from the heart?

- a) Artery** b) Vein c) Capillary d) Nerve

29. QUESTION: What is a food chain?

- a) A series of organisms that depend on each other for food
- b) A type of necklace
- c) A process of breathing
- d) A list of healthy foods

30. QUESTION: What do we call rain mixed with pollutants?

- a) Acid rain
- b) Clean rain
- c) Heavy rain
- d) Cloudburst

31. QUESTION: What type of energy does a moving bicycle have?

- a) Kinetic energy
- b) Potential energy
- c) Light energy
- d) Chemical energy

32. QUESTION: What is a tsunami?

- a) A heavy rainstorm
- b) A giant ocean wave
- c) A strong wind
- d) A type of earthquake

33. QUESTION: What is the main function of roots in plants?

- a) Absorb water and nutrients
- b) Produce flowers
- c) Capture sunlight
- d) Release oxygen

34. QUESTION: What happens when light passes through a prism?

- a) It disappears
- b) It turns into heat
- c) It splits into different colors
- d) It becomes a shadow

35. QUESTION: What do we call a doctor who studies the human body?

- a) Zoologist
- b) Doctor (Physician)
- c) Botanist
- d) Astronomer

36. QUESTION: What is the largest land animal?

- a) Lion
- b) Elephant
- c) Rhino
- d) Giraffe

37. QUESTION: Which part of a plant produces seeds?

- a) Roots
- b) Stem
- c) Flower
- d) Leaves

38. QUESTION: What is the process of breaking down food called?

- a) Digestion
- b) Circulation
- c) Photosynthesis
- d) Evaporation

39. QUESTION: What is the name of the galaxy we live in?

- a) Andromeda
- b) Milky Way
- c) Whirlpool
- d) Black Hole

40. QUESTION: What is the term for animals sleeping through winter?

- a) Migration
- b) Hibernation
- c) Adaptation
- d) Evolution

41. QUESTION: What is the main component of Earth's atmosphere?

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

42. QUESTION: What is the function of white blood cells?

- a) Carry oxygen
- b) Fight infections
- c) Digest food
- d) Store energy

43. QUESTION: What type of energy is stored in a battery?

- a) Kinetic energy b) Heat energy **c) Chemical energy** d) Solar energy

44. QUESTION: What causes a solar eclipse?

- a) Earth blocking sunlight **b) Moon blocking sunlight**
c) Clouds covering the Sun d) Rotation of the Earth

45. QUESTION: What do we call an organism that makes its own food?

- a) Producer** b) Consumer c) Decomposer d) Herbivore

46. QUESTION: What is the process by which plants lose water through leaves?

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

47. QUESTION: What is the unit of electric current?

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

48. QUESTION: What is the process of changing a solid directly into gas?

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

49. QUESTION: What is the study of weather called?

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

50. QUESTION: What is the name of a device that measures earthquakes?

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

51. QUESTION: What is the function of the large intestine?

- a) Absorb water and form waste** b) Digest proteins
c) Store energy d) Absorb oxygen

52. QUESTION: Which vitamin helps in blood clotting?

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

53. QUESTION: Which part of the plant absorbs water?

- a) Stem **b) Roots** c) Leaves d) Flowers

54. QUESTION: What is the smallest bone in the human body?

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

55. QUESTION: What is an example of a non-renewable resource?

- a) Coal** b) Wind c) Water d) Sunlight

56. QUESTION: What is the chemical formula of common salt?

- a) NaCl** b) CO₂ c) H₂O d) CH₄

57. QUESTION: What is the primary function of chlorophyll in plants?

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|-------------------|---------------------------------------|
| a) Store water | b) Absorb sunlight for photosynthesis |
| c) Protect leaves | d) Store food |

58. QUESTION: What is an earthquake's point of origin called?

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| a) Focus | b) Epicenter | c) Magnitude | d) Fault |
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59. QUESTION: Which is the fastest land animal?

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| a) Cheetah | b) Tiger | c) Lion | d) Kangaroo |
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60. QUESTION: What force opposes motion?

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| a) Friction | b) Gravity | c) Magnetism | d) Electricity |
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61. QUESTION: What is the full form of DNA?

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|--------------------------|----------------------------|
| a) Deoxyribonucleic Acid | b) Dynamic Neural Analysis |
| c) Digital Nucleic Array | d) Direct Nucleus Action |

62. QUESTION: What instrument is used to measure air pressure?

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

63. QUESTION: What do we call animals that lay eggs?

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|------------|--------------|---------------|---------------|
| a) Mammals | b) Oviparous | c) Viviparous | d) Amphibians |
|------------|--------------|---------------|---------------|

64. QUESTION: What do we call an acid found in lemons?

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

65. QUESTION: What metal is commonly used in electrical wires?

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| a) Copper | b) Iron | c) Silver | d) Gold |
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66. QUESTION: What is the deepest ocean in the world?

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

67. QUESTION: What is the largest mammal?

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| a) Elephant | b) Blue whale | c) Giraffe | d) Hippopotamus |
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68. QUESTION: What is the basic unit of heredity?

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| a) Gene | b) Chromosome | c) DNA | d) RNA |
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69. QUESTION: Which layer of Earth is made of molten rock?

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|----------|-----------|---------|---------------|
| a) Crust | b) Mantle | c) Core | d) Atmosphere |
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70. QUESTION: What part of the eye controls how much light enters?

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|-----------|----------|---------|-----------|
| a) Retina | b) Pupil | c) Iris | d) Cornea |
|-----------|----------|---------|-----------|

71. QUESTION: What is the main gas found in natural gas?

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

72. QUESTION: What is a lever?

- a) A type of pulley **b) A simple machine that helps lift or move objects**
c) A type of energy d) A measurement tool

73. QUESTION: What is the main source of energy for the water cycle?

- a) The Sun b) The Moon c) Earth's core d) The Wind

74. QUESTION: What type of animal is a penguin?

- a) Mammal **b) Bird** c) Amphibian d) Reptile

75. QUESTION: What is the process of breaking down rocks into smaller pieces?

- a) Weathering b) Erosion c) Deposition d) Melting

76. QUESTION: Which planet is called the "Evening Star"?

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

77. QUESTION: What is the unit of force?

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

78. QUESTION: Which blood type is called the universal donor?

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

79. QUESTION: Which planet is known as the "Blue Planet"?

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

80. QUESTION: What type of circuit has only one path for electricity to flow?

- a) Parallel circuit **b) Series circuit** c) Open circuit d) Short circuit

81. QUESTION: Which of the following is NOT a state of matter?

- a) Solid **b) Plasma** c) Liquid d) Gas

82. QUESTION: What is the primary function of the ozone layer?

- a) Produce oxygen **b) Block harmful UV rays**
c) Absorb carbon dioxide d) Store water vapor

83. QUESTION: Which part of the plant transports water from roots to leaves?

- a) Phloem **b) Xylem** c) Stomata d) Chlorophyll

84. QUESTION: What is the SI unit of temperature?

- a) Fahrenheit b) Celsius **c) Kelvin** d) Joule

85. QUESTION: What is the main function of the kidneys?

- a) Filter waste from blood b) Pump blood c) Digest food d) Store energy

86. QUESTION: Which type of energy is produced by moving water?

- a) *Hydroelectric energy* b) Solar energy c) Nuclear energy d) Chemical energy

87. QUESTION: What is the longest river in the world?

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

88. QUESTION: Which gas is used by plants for respiration at night?

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

89. QUESTION: What is the primary function of the nervous system?

- a) Circulate blood *b) Send signals to the body* c) Digest food d) Produce oxygen

90. QUESTION: Which blood vessels carry blood to the heart?

- a) *Veins* b) Arteries c) Capillaries d) Nerves

91. QUESTION: What is the main function of stomata in plants?

- a) Exchange gases b) Absorb nutrients c) Store water d) Support leaves

92. QUESTION: Which organ helps in detoxifying harmful substances in the human body?

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

93. QUESTION: What is the natural satellite of the Earth?

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

94. QUESTION: What happens when a substance expands?

- a) It gets heavier *b) It increases in volume* c) It turns into a gas d) It loses energy

95. QUESTION: What type of rock is formed by heat and pressure?

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

96. QUESTION: What is the main purpose of plate tectonics?

- a) Move Earth's crust b) Create water bodies c) Form oxygen d) Store energy

97. QUESTION: What instrument is used to measure humidity?

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

98. QUESTION: Which planet has the most moons?

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

99. QUESTION: Which part of the flower produces pollen?

- a) Petal *b) Anther* c) Ovary d) Sepal

100. QUESTION: What type of simple machine is a seesaw?

- a) Lever b) Pulley c) Inclined plane d) Wheel

101. QUESTION: What is the function of the diaphragm in breathing?

- a) Helps expand the lungs b) Filters oxygen c) Pumps blood d) Stores energy

102. QUESTION: What do we call a scientist who studies fossils?

- a) Botanist b) Zoologist c) Paleontologist d) Chemist

103. QUESTION: What type of heat transfer occurs when the Sun warms the Earth?

- a) Radiation b) Conduction c) Convection d) Absorption

104. QUESTION: What is a group of tissues working together called?

- a) Cell b) Organ c) Organism d) System

105. QUESTION: What is the main component of bones?

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

106. QUESTION: What do we call an object that orbits a planet?

- a) Satellite b) Meteor c) Star d) Asteroid

107. QUESTION: What type of change is melting ice?

- a) Chemical change b) Physical change c) Permanent change d) Combustion

108. QUESTION: Which gas do we breathe in to survive?

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

109. QUESTION: What is the smallest particle of an element?

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

110. QUESTION: What force keeps planets in orbit around the Sun?

- a) Gravity b) Magnetism c) Friction d) Electricity

111. QUESTION: What type of energy is used in cooking?

- a) Thermal energy b) Nuclear energy c) Kinetic energy d) Solar energy

112. QUESTION: What type of energy is stored in stretched rubber bands?

- a) Potential energy b) Kinetic energy c) Sound energy d) Electrical energy

113. QUESTION: What is the natural source of vitamin C?

- a) Citrus fruits b) Dairy products c) Meat d) Bread

114. QUESTION: Which part of the brain controls memory and thinking?

- a) Cerebrum b) Cerebellum c) Medulla d) Brainstem

115. QUESTION: What causes tides in the ocean?

- a) The Moon's gravity b) Earth's rotation c) Sun's heat d) Wind movement

116. QUESTION: What is another name for the voice box?

- a) Trachea b) Larynx c) Pharynx d) Esophagus

117. QUESTION: What is the primary source of energy on Earth?

- a) The Sun b) The Moon c) Volcanoes d) Oceans

118. QUESTION: What does a plant use to absorb water?

- a) Roots b) Leaves c) Flowers d) Stems

119. QUESTION: What is the function of the ribcage?

- a) Protect internal organs b) Pump blood c) Store food d) Absorb oxygen

120. QUESTION: What is the color of a chlorophyll pigment?

- a) Green b) Red c) Blue d) Yellow

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

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

122. QUESTION: What gas do humans exhale?

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

123. QUESTION: What is the primary function of roots in a plant?

- a) Absorb water and nutrients b) Make food c) Support leaves d) Transport oxygen

124. QUESTION: Which force pulls objects toward the Earth?

- a) Magnetism b) Gravity c) Friction d) Electricity

125. QUESTION: What do we call the solid form of water?

- a) Ice b) Vapor c) Rain d) Steam

126. QUESTION: What is the largest organ in the human body?

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

127. QUESTION: What is the boiling point of water?

- a) 100°C b) 50°C c) 150°C d) 75°C

128. QUESTION: What gas do plants release during photosynthesis?

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

129. QUESTION: Which of the following is a carnivore?

- a) Cow b) Rabbit c) Lion d) Deer

130. QUESTION: What is the main source of light on Earth?

- a) The Sun b) The Moon c) Stars d) Fire

131. QUESTION: What is the basic unit of life?

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

132. QUESTION: How many planets are in our Solar System?

- a) Eight b) Nine c) Seven d) Ten

133. QUESTION: What organ pumps blood in the human body?

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

134. QUESTION: What is the Earth's outermost layer called?

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

135. QUESTION: Which of the following is a conductor of electricity?

- a) Copper b) Plastic c) Rubber d) Wood

136. QUESTION: What type of animal is a frog?

- a) Amphibian b) Mammal c) Bird d) Reptile

137. QUESTION: Which part of the plant makes food?

- a) Roots b) Stem c) Leaves d) Flowers

138. QUESTION: What is the Earth's only natural satellite?

- a) Moon b) Mars c) Venus d) Sun

139. QUESTION: What is the function of the respiratory system?

- a) Help in breathing b) Digest food c) Pump blood d) Produce energy

140. QUESTION: What is the process of a liquid turning into gas?

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

141. QUESTION: What type of energy comes from the Sun?

- a) Solar energy b) Chemical energy c) Mechanical energy d) Electrical energy

142. QUESTION: What is the name of a scientist who studies space?

- a) Chemist b) Astronomer c) Biologist d) Geologist

143. QUESTION: What is the hardest substance in the human body?

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

144. QUESTION: Which of the following is a non-renewable resource?

- a) Coal b) Wind c) Sunlight d) Water

145. QUESTION: What gas makes up most of the Earth's atmosphere?

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

146. QUESTION: What type of rock is formed from lava?

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

147. QUESTION: What is the smallest planet in the Solar System?

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

148. QUESTION: What is the process of plants making their own food called?

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

149. QUESTION: Which animal can live both in water and on land?

- a) Frog** b) Fish c) Tiger d) Whale

150. QUESTION: What kind of energy is stored in food?

- a) Kinetic energy **b) Chemical energy** c) Heat energy d) Sound energy

151. QUESTION: What is the Earth's primary source of heat?

- a) The Sun** b) The Moon c) Volcanoes d) Fire

152. QUESTION: What is the largest planet in the Solar System?

- a) Jupiter** b) Saturn c) Uranus d) Neptune

153. QUESTION: What is the main function of blood in the human body?

- a) Store energy **b) Transport oxygen and nutrients**
c) Produce vitamins d) Help in breathing

154. QUESTION: Which sense organ helps us hear?

- a) Nose **b) Ears** c) Skin d) Eyes

155. QUESTION: What do plants need to grow?

- a) Sunlight, water, and air** b) Salt and sugar c) Iron and gold d) Paper and plastic

156. QUESTION: What are the three states of matter?

- a) Solid, liquid, gas** b) Earth, water, fire
c) Light, sound, energy d) Oxygen, hydrogen, nitrogen

157. QUESTION: What is an example of a food chain?

- a) Grass → Rabbit → Fox** b) Rock → Fish → Water
c) Sun → Air → Soil d) Table → Chair → Book

158. QUESTION: What do we call animals that eat both plants and animals?

- a) Herbivores b) Carnivores **c) Omnivores** d) Insects

159. QUESTION: What do insects use to breathe?

- a) Lungs b) Spiracles c) Gills d) Nostrils

160. QUESTION: What is the organ that controls the body?

- a) Lungs b) Brain c) Heart d) Stomach

162. QUESTION: What is the smallest unit of an element that retains its chemical properties?

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

163. QUESTION: Which part of the human eye controls the amount of light entering?

- a) Cornea b) Retina c) Iris d) Lens

164. QUESTION: Which part of a plant carries food from the leaves to other parts?

- a) Phloem b) Xylem c) Stomata d) Cortex

165. QUESTION: What is the primary gas responsible for global warming?

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

166. QUESTION: Which force prevents us from floating off into space?

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

167. QUESTION: What is the main function of white blood cells?

- a) Carry oxygen b) Fight infections c) Help in clotting d) Provide energy

168. QUESTION: Which planet has the longest day compared to Earth?

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

169. QUESTION: What do we call the process by which plants lose water vapor?

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

170. QUESTION: Which is the hardest natural substance on Earth?

- a) Iron b) Diamond c) Steel d) Gold

171. QUESTION: What causes the phases of the Moon?

- a) The Moon's position relative to the Sun and Earth b) The Earth's rotation
c) The Sun's movement d) The Moon's gravity

172. QUESTION: Which gas is the main component of Earth's atmosphere?

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

173. QUESTION: What type of energy transformation occurs in a flashlight?

- a) Chemical → Electrical → Light b) Electrical → Chemical → Light
c) Light → Heat → Chemical d) Mechanical → Electrical → Light



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