



CHEMISTRY

BOOKS - JNAN PUBLICATION

MATTER (NATURE OF MATTER)

Example

1. Light metal _____

A. lithium

B. hydrogen

C. sodium

D. calcium

Answer:



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2. An electrp-positive non-metal is _____

A. hydrogen

B. sodium

C. graphite

D. diamond

Answer:



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3. Which of the following liquids has less boiling point?

A. water

B. alcohol

C. ether

D. chloroform

Answer:



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4. Which of these elements has highest density?

A. iron

B. copper

C. mercury

D. gold

Answer:



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5. Which of the following gas is colourless___

A. nitrogen dioxide

B. hydrogen

C. hydrogen sulphide

D. chlorine

Answer:



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6. Which of the following is magnetic element?

A. copper

B. gold

C. diamond

D. cobalt

Answer:



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7. Which of the following is crystalline substance_____

A. sugar

B. blue vitriol

C. camphor

D. diamond

Answer:



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8. Which of the following is conductor of electricity?

A. diamond

B. sulphur

C. arsenic

D. gas carbon

Answer:



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9. Which of the following elements does not produce hydrogen gas by reaction?

A. iron

B. calcium

C. zink

D. copper

Answer:



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10. Which of the following is not metalloid?

A. Arsenic

B. Antimony

C. Sulphur

D. Bismuth

Answer:



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11. Sulphur is dissolved in ____

- A. chloroform
- B. carbon dioxide
- C. water
- D. mercury

Answer:



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12. Which of the following has lowest freezing point_____

A. water

B. mercury

C. both of them

D. it cannot be said

Answer:



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13. Which of the metal is most reactive_____

A. Magnesium

B. Sodium

C. iron

D. copper

Answer:



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14. Which of the following is physical change_____

A. rust on iron

B. electrolysis of water

C. melting of ice

D. burning of paper

Answer:



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15. Which of the following is chemical change___

A. melting of iceberg

B. boiling of water

C. pouring of water on lime stone

D. none of the above

Answer:



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16. Powder of chalk and powder of sugar can be separated by_____

A. physical property

B. solubility in water

C. by magnet

D. by smelling

Answer:



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17. Which of the following is not a metal?

A. sulphur

B. diamond

C. graphite

D. all of the above

Answer:



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18. Which of the following is not soluble in water?

A. sugar

B. salt

C. chalk powder

D. sugar-candy

Answer:



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19. A hard non-metal is _____

A. graphite

B. iodine

C. diamond

D. all of the above

Answer:



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20. Which of the following is used in photography film?

A. sodium

B. silver

C. carbon

D. hydrogen

Answer:



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21. State whether True or False:-

Napthaline does not have liquid state.



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22. State whether True or False:-

Temperature changes when a liquid boils.



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23. State whether True or False:-

SO_2 has a smell like burnt out gunpowder.



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24. State whether True or False:-

Iron is a light metal.



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25. State whether True or False:-

Sulphur is soluble in carbon tetrachloride.



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26. State whether True or False:-

Alcohol mix in water.



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27. State whether True or False:-

Br_2 is colourless.



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28. State whether True or False:-

Blue vitriol is a crystalline substance.



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29. State whether True or False:-

Silver is a non-magnetic substance.



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30. State whether True or False:-

Water is an organic solvent.



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31. State whether True or False:-

Smell of Ammonia is like burnt out gun power.



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32. State whether True or False:-

Metals are flexible.



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33. State whether True or False:-

Rusting is a physical change.



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34. State whether True or False:-

All metals does not react with acids and produces H_2 gas.



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35. State whether True or False:-

Merucury is hard substance, so it is a metal.



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36. State whether True or False:-

Though mercury is liquid, it is a metal.



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37. State whether True or False:-

Graphite is a bad-conductor as it a non-metal.



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38. State whether True or False:-

Cystalline iodine is a non-bright substance.



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39. Fill in the blanks:-

We can _____ substances by touching.



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40. Fill in the blanks:-

Nitrogen dioxide is _____ in colour.



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41. Fill in the blanks:-

Some substances undergo chemical changes on heating and are _____ into new substances.



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42. Fill in the blanks:-

Water is a _____ substances.



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43. Fill in the blanks:-

Melting point of ice is _____.



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44. Fill in the blanks:-

_____ is a volatile substance.



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45. Fill in the blanks:-

If pieces of zinc is immersed in dilute sulphuric acid _____ gas is produced.



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46. Fill in the blanks:-

_____ metal is used to make cooking utensils.



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47. Fill in the blanks:-

Presence of _____ metalloid pollutes water.



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48. Fill in the blanks:-

In nature _____ element is present in large amount.



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49. Fill in the blanks:-

_____ powder is used in making matchstick.



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50. Fill in the blanks:-

Reaction of iron and $CuSO_4$ produces
Ferrous Sulphate and _____.



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51. Fill in the blanks:-

Bismath is a _____.



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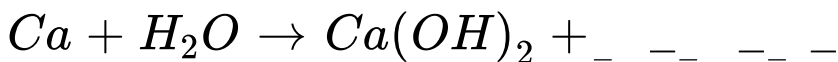
52. Fill in the blanks:-

_____ is used in making electric wire.



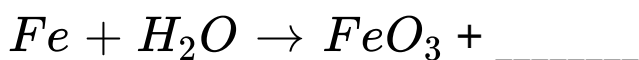
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53. Put appropriate symbol in following blanks:-



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54. Put appropriate symbol in following blanks:-



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55. Put appropriate symbol in following blanks:-



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56. Match the column A with column B:-

Column A	Column B
a) Smell of a substance is	i) red
b) Chemical reaction	ii) non-metal
c) Ammonium chloride is a	iii) metal
d) In fixed pressure boiling point is	iv) it is good conductor of heat and electricity
e) Smell of SO ₂ gas is like	v) a physical property
f) Colour of Bromine is	vi) Hydrogen gas
g) Graphite is a	vii) a definite temperature
h) Gold is a	viii) changes atomic structure of a substance
i) Though graphite	ix) burnt gun powder
j) Reaction of metal and acid produces	x) volatile substance.



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57. Match the column A with column B:-

Column A	Column B
a) In physical change	i) is not soluble in kerosene
b) During the change of state	ii) blue
c) Ether is a	iii) is brown
d) Hydrogen	iv) is a magnetic substance
e) Sugar	v) light yellow coloured hard substance
f) Colour of blue vitriol is	vi) greenish yellow coloured gas
g) Nickel	vii) only outer structure change
h) Colour of NO ₂ gas	viii) is a odourless gas
i) Sulphur is	ix) temperature does not change
j) Chlorine is a	x) volatile substance





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58. What is the sign of gold?



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59. What is the colour of chlorine gas?



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60. What is the boiling point of ethyl alcohol?





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61. Give an example of physical property.



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62. Give an example of chemical property.



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63. Give an example of odourless liquid.





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64. What is smell of ammonium gas?



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65. Write the symbol of hydrochloric acid.



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66. Write the symbol of zinc sulphate.





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67. Write the symbol of marbel stone.



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68. Give an examples of two magnetic elements.



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69. Name two crystalline elements.



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70. Name two non-crystalline elements.



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71. What type of smell has H_2S ?



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72. Write two names of organic solvent?



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73. What is the colour of Nitrogen dioxide?



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74. What will happen if water is powered on quick lime?



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75. Write name of two metals which reacts with acid.



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76. Write a name of liquid metal.



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77. Write a name of liquid non-metal.



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78. Write name of two metals which have low melting point.



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79. Write a name of light metal.



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80. What is the lightest element?



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81. Write name of two inactive elements.



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82. Which gas is present in large quantity in atmosphere?



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83. What elements are present in water?



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84. Which metal is the highest conductor of electricity?



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85. Which ions control the functioning of heart?



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86. Write the name of element which is the main constituent of teeth and bones?



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87. What is mainly present in haemoglobin?



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88. Write a name of metal iron which control the constraction of muscle.



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89. Which ion plays an important function in the process of coagulation of blood.



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90. What are the two principal cation of our intracellular and extracellular body fluids?



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91. Name two proteins which play a vital role in muscle contraction.



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92. Write an use of led.





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93. What is the colour of red litmus.



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94. What is the colour of red litmus in base?



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95. Name the metals and non-metals present in toothpaste.



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96. What is matter?



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97. What are physical properties?



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98. What are chemical properties?



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99. Give example of chemical properties.



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100. Water can exist in three states. What are they?



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101. Write name of some gas which have odour, mention how they smell.



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102. Write name of some colourful gas, write their colours.



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103. How could you separate sugar powder and burnt lime powder from its physical properties?



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104. How could you separate sugar powder from salt powder?



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105. What reaction will happen if dilute H_2SO_4 is added to zinc powder?



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106. What would happen if water is poured on calcium oxide?



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107. What is a metalloid? Give an example.



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108. What are magnetic elements? Give example.



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109. What are metals?



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110. What are non-metals?



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111. What would happen if magnesium wire is burnt in air?



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112. Though hydrogen is a gas it is placed in activity series why?



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113. Write some uses of Graphite



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114. It is possible to keep $CuSO_4$ solution in an iron dish?



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115. Give some examples:-

Two high electro-positive metal.



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116. Give some examples:-

Two low electro-positive metal.



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117. Give some examples:-

Two medium electro-positive metal.



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118. Discuss how certain elements perform maintenance of water balance, functioning of the heart, acid-base equilibrium in our body.



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119. Discuss how certain elements perform maintenance of formation of teeth and bone, functioning of enzymes, coagulation of Blood in our body.



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120. Discuss how certain elements perform Contraction of muscle and conduction of nerve impulse, Transport, Storage and

Utilization of Oxygen, formation of hormone in our body.



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121. Name the metals and non-metals present in the compounds we use in our day to day life?

Tooth paste, Gun powder of match stick, Chemical Fertiliser, Stainless steel, Cement Photographic film.



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122. Name the metals and non-metals present in the compounds we use in our day to day life?



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