

## **CHEMISTRY**

## **BOOKS - JNAN PUBLICATION**

## PHYSICAL AND CHEMICAL PROPERTIES OF MATTER POTASSIUM CHLORATE, BARIUM PER OXIDE MAGNESIUM

Example

**1.** What is the value of atomic weight of barium.



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2. What arte the number of elements under the very short period?



**3.** What are the number of elements under the first short period?



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**4.** What are the number of elements under the second short period?



**5.** What are the number of el,ements under first long period?



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**6.** What are the number of elements under second long period?



**7.** What are the number of elements under first very long period?



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**8.** What are the number of elements under very long incomplete period?



**9.** Write the order of oxidising power of na,mg, si,p,s,al elements.



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**10.** Write the order of reducting power of mg,si,p,s,na,al, elements.



11. Write the electronic configuration of sodium atom.



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12. Write the electronic configuration of chlorine atom.



**13.** Write the electronic configuration of calcium.



**14.** Write the electronic configuration of magnesium.



**15.** Write one example of polar solvent.



16. Write one example of strong electrolytes.



17. Write one example of weak electrolytes.



**18.** Write the formula of Haematite.



19. Write the formula of copper pyrites



**20.** Write the formula of Zinc blende.



**21.** Write the formula of Bauxite



**22.** Write the chemical formula of ferosoferric oxide.



**23.** Write the formula of function group hydroxy.



**24.** Write the formula of functional group of aldehyde.



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25. Write the chemical formula of Ketone group.



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**26.** Write the formula of carboxylic acid group.





27. Write the formula of amine group



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28. Write the formula of ether group



**29.** Write the formula structure of hydroxyl group



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**30.** Write the formula structure of Ketone group



**31.** What are the important features of long form of the periodic table?



**32.** Write two drawbacks of the modern periodic table.



**33.** Short Note- Atomic radii



**34.** What is covalent radius?



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**35.** What is vanderwaaPs radius?



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**36.** What do you mean by Metallic radius?



37. State - Dobereinears law of triads.



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38. What is period?



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**39.** What is meant by groups?



**40.** What is the nature of group 1 (1A) elements in the periodic table?



**41.** What are the properties of group 2(11A) elements of periodic table?



**42.** Define transitional elements.



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**43.** Write four names of transuranic elements.



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**44.** What do you know about the reactivity of 'group 18' elements of periodic table?



**45.** Write the properties of ionic compounds?



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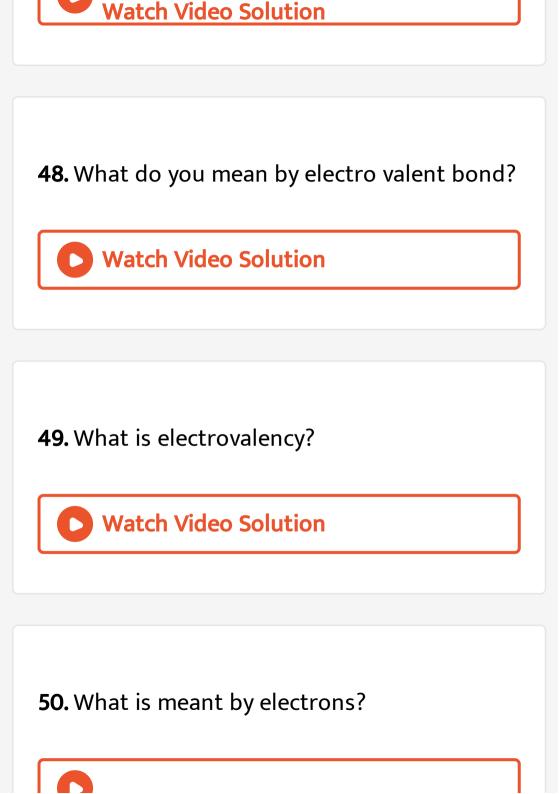
**46.** Write two line of Kossel's proposal for ionic bonding.



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47. What is the limitation of octet rule?







51. What do you mean by exothermic and endothermic process?



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52. Why do ionic compounds exist as solids?



**53.** What is meant by covalency of an atom? **Watch Video Solution 54.** Define: covalent bond **Watch Video Solution** 

**55.** Define :

Polar covalent



**56.** Define :

Non -polar covalent bond



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57. State - Newland's law of octaves:



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**58.** State-Periodic law



59. What is ionsation energy?



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**60.** Define - Periodic properties



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**61.** What is the electron affinity?



**62.** State-Law of duplet.



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63. State-Law of octet.



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**64.** What is cation?



65. What is anion?



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66. Define-oxidation. Write its example.



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**67.** Define-Reduction Write its example.



**68.** What are classification of electrical conductor?



**69.** Write two electrolytic conductors



**70.** What is meant by - electrolysis?



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71. Write two application of eelctrolysis?



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72. What is anode-mud?



73. Define-liquor ammonia



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**74.** Write two uses of ammonia as coolant. The two uses of ammonia as coolant are--



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75. Definite-nitrolim.



**76.** What is cast iron?



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77. What-is steel?



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78. What is meant by wrought iron?



**79.** Write two used of stainless steel.



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**80.** Write two used of bell metal.



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81. Write two used of brass.



82. Write two used of germar silver



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83. Write two uses of duralumin.



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**84.** State-electronoic theory of redox process.



85. Define-Themite reaction.



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86. Write an use of liquite ammonia as a coolant.



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87. Write an use of ammonia.



88. Write one use of urea?



89. Define-galvanisation.



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**90.** What is meant by Catenation?



91. Define-

Saturated compound



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92. Define-

Unsaturated compound



**93.** Write two example of saturated organic compounds.



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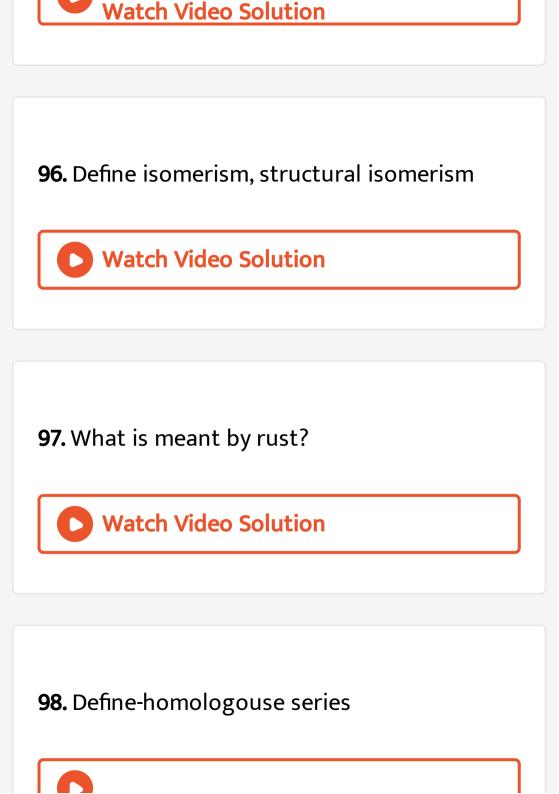
**94.** Write two examples of unsaturated organic compounds.



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**95.** What is the functional group?







99. Draw the diagram of covalent radius of hydrogen.



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100. Draw the diagram of shouring comparison of Vanderwaals radius and covalent radius?



