



CHEMISTRY

BOOKS - JNAN PUBLICATION

ATOM, MOLECULE AND CHEMICAL REACTION

Example

1. Symbol of Arsenic is _____:

A. Ar

B. As

C. An

D. Ac

Answer:



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2. Symbol of Mercury is _____

A. Me

B. Me

C. Mu

D. Hg

Answer:



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3. Symbol of Lead _____

A. Pb

B. Ld

C. Le

D. Pm

Answer:



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4. Formula of Lead Chloride is ____

A. pbCl

B. pbCl^3

C. pbCl_2

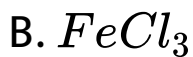
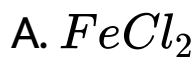


Answer:



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5. Formula of Ferric Chloride is _____



Answer:



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6. Formula of Potassium Chloride_____

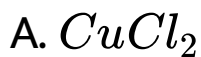


Answer:



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7. Formula of Cupric Chloride_____



Answer:



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8. Formula of Sodium Sulfate is _____

A. NaSO

B. $NaSO_4$

C. Na_2SO_4

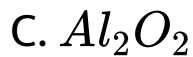
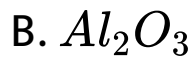
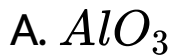
D. Na_2SO_2

Answer:



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9. Formula of Aluminium Oxide is _____

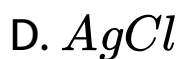
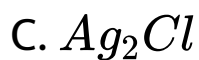
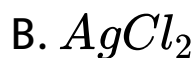
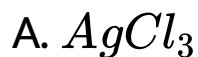


Answer:



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10. Formula of Silver Chloride is _____



Answer:



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11. Fill in the blanks:

Formula of Magnesium Chloride is _____.



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12. Fill in the blanks:

The atomic number of an element of 6 and mass number is 12 then the number of neutrons in nucleus would be _____.



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13. Fill in the blanks:

In L orbit maximum _____ electrons can revolve.



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14. Fill in the blanks:

In compound P_2O_5 the valency is _____.



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15. Fill in the blanks:

Symbol of Aluminium Oxide is _____.



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16. Fill in the blanks:

Atomic weight of carbondioxide is _____.



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17. Fill in the blanks:

In chemical equation the atomic number of both sides are _____.



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18. Fill in the blanks:

Symbol of Silver is _____.



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19. Fill in the blanks:

Valency of Carbon is _____.



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20. Fill in the blanks:

Mass of one electron particle is _____ of one
Hydrogen atom.



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21. State whether True or False:

Hydrogen reacts with nitrogen to produce ammonia.



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22. State whether True or False:

Chemical reaction is of one type.



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23. State whether True or False:

Ammonia is formed by the reaction of nitrogen and hydrogen.



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24. State whether True or False:

Mercury and oxygen are produced when mercuric oxide is heated.



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25. State whether True or False:

Formula of Ferric Oxide is Fe_2O .



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26. State whether True or False:

Slacked lime is produced by the reaction of water with quicklime.



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27. State whether True or False:

Water is produced by chemical combination of oxygen and hydrogen.



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28. State whether True or False:

The formula of hydrogen sulfide is H_2S_2



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29. What is the meaning of Greek word 'Atom'?



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30. What is atom?



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31. What is the mass number of an atom?



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32. What is Atomic Number?



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33. What is Mass Number?



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34. What is the difference between H_2 and $2H$
?



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35. Write the name of an element whose atom has no neutron.



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36. What is the largest number of electron in K orbit?



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37. What is the atomic number of Helium?



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38. How do the atoms exist in molecules?



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39. Write the symbols of Potassium and Mercury.



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40. Who founded the theory of Molecules?



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41. What is total number of Natural Element?



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42. What is the molecular atomicity of Phosphorus.



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43. What is the valency of Phosphate (PO_4)?



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44. If the orbit goes away from nucleus what would happen, will the number of electron increase or decrease?



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45. What is the charge of Nucleus?



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46. $A + B = \text{Carbondioxide}$, write the reacting element A and B fo this reaction.



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47. Why the symbol of iron is Fe?



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48. What is the total number of atoms in molecule of Ammonia?



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49. Which elements have zero valency?



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50. Can we say Neutron that is the main constituent of for all of atoms of all substances?



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51. What is the valency of Nitrogen in compound Ammonia?



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52. What is the charge of Electron?



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53. When we can say an equation is balanced?



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54. What is symbol? Give example.



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55. What is sign?



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56. Explain the process of writing symbols.



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57. What is an element?



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58. What is molecule?



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59. How many particles are there in an atom?



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60. What is nucleus? Where do the electrons revolve?



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61. What are ions?



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62. What are radicals?



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63. What is Valency?



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64. What is variable valency?



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65. What is a chemical equation? Define reactants and products.



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66. How many types of chemical reactions are there?



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67. What is combination reaction? Give an example.



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68. What is dissociation reaction? Give example.



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69. What is Displacement reaction? Give example.



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70. What is double displacement reaction?

Give example.



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71. What information we can get from symbol

CO_2 ?



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