

- The metal M forms an oxide  $M_2O_3$ . The formula of its halide will be  
a)  $M_2X_3$                       b)  $MX_3$                       c)  $M_2X$                       d)  $M_3X_2$
- An element X has electronic configuration 2, 8, 2 and another element Y has electronic configuration 2, 7. They form the compound Z. Formula of Z is  
a)  $X_2Y_3$                       b)  $X_3Y_2$                       c) XY                      d)  $XY_2$
- Symbol of mercury is  
a) Mn                      b) Mg                      c) Hg                      d) Ag
- Latine name of Tin is  
a) plumbum                      b) stannum                      c) stibium                      d) wolfram
- Atomicity of ozone is  
a) 1                      b) 2                      c) 3                      d) 4
- Molecules of elements are  
a) homo atomic                      b) hetero atomic                      c) triatomic                      d) none
- Cation is formed by \_\_\_\_\_ from neutral atom  
a) loss of electron                      b) addition of proton                      c) gain of electron                      d) sharing of electron
- Negatively charged ion is called  
a) anion                      b) cation                      c) electropositive ion                      d) b and c
- Formula of sulphuric acid is  
a)  $HNO_3$                       b)  $H_2SO_4$                       c) HCl                      d)  $HClO_4$
- Valency of plumbic ion is  
a) 1                      b) 2                      c) 3                      d) 4
- Ammonium ion is  
a)  $NH_4^+$                       b)  $Al^{3+}$                       c)  $N^{3-}$                       d)  $PH_4^+$
- Peroxide ion contains \_\_\_\_\_ number of oxygen atoms  
a) 1                      b) 2                      c) 3                      d) 4
- Formula for aluminium sulphate is  
a)  $AlSO_4$                       b)  $Al_2(SO_4)_3$                       c)  $Al_2SO_4$                       d)  $Al(SO_4)_3$
- 5  $N_2$  represents  
a) 5 nitrogen atoms                      b) 5 nitrogen molecules                      c) 10 nitrogen atoms                      d) 10 nitrogen molecules
- The number of oxygen atom in calcium carbonate is  
a) 1                      b) 3                      c) 5                      d) 7
- Valency of sodium is  
a) 1                      b) 2                      c) 3                      d) 4
- X has valency 2 and Y has valency 3. What is the formula of compound formed from X and Y  
a)  $X_2Y_3$                       b)  $X_3Y_2$                       c) XY                      d) none
- Poly atomic molecule is  
a)  $S_8$                       b)  $O_3$                       c)  $O_2$                       d)  $N_2$
- Heteroatomic molecule is/are  
a)  $CO_2$                       b)  $NH_3$                       c)  $P_4$                       d) a and b
- Chemical formula represents  
a) shortest notation of a element or compound  
b) the types of elements in a compound  
c) number of atoms of each element present in the compound  
d) all the above

**KEY**

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|-----|---|-----|---|-----|---|-----|---|
| 1.  | b | 2.  | b | 3.  | c | 4.  | b |
| 5.  | c | 6.  | a | 7.  | a | 8.  | a |
| 9.  | b | 10. | d | 11. | a | 12. | b |
| 13. | b | 14. | b | 15. | b | 16. | a |
| 17. | b | 18. | a | 19. | d | 20. | d |