

Electrovalent bonding



- (d) Low charge on ions, small cation, large anion

(a) MCl (b) MCl_2
(c) MCl_3 (d) M_2Cl_3

30. The sulphate of a metal has the formula $M_2(SO_4)_3$. The formula for its phosphate will be
(a) $M(HPO_4)_2$ (b) $M_3(PO_4)_2$
(c) $M_2(PO_4)_3$ (d) MPO_4

31. Ionic bonds are usually formed by combination of elements with
(a) High ionisation potential and low electron affinity
(b) Low ionisation potential and high electron affinity
(c) High ionisation potential and high electron affinity
(d) Low ionisation potential and low electron affinity

32. Molten sodium chloride conducts electricity due to the presence of
(a) Free electrons
(b) Free ions
(c) Free molecules
(d) Atoms of sodium and chlorine

33. The phosphate of a metal has the formula $MHPO_4$. The formula of its chloride would be

34. A number of ionic compounds e.g. $AgCl$, CaF_2 , $BaSO_4$ are insoluble in water. This is because
(a) Ionic compounds do not dissolve in water
(b) Water has a high dielectric constant
(c) Water is not a good ionizing solvent
(d) These molecules have exceptionally high alternative forces in the lattice

35. What is the nature of chemical bonding between Cs and F
(a) Covalent (b) Ionic
(c) Coordinate (d) Metallic

36. Which one of the following compound is ionic
(a) KCl (b) CH_4
(c) Diamond (d) H_2

37. Which of the following compound has electrovalent linkage
(a) CH_3Cl (b) $NaCl$
(c) CH_4 (d) Cl_2



38. An ionic compound is generally a

- (a) Good electrolyte
- (b) Weak electrolyte
- (c) Non-electrolyte
- (d) Neutral

39. What metals combine with non-metals, the metal atom tends to

- (a) Lose electrons
- (b) Gain electrons
- (c) Remain electrically neutral
- (d) None of these

40. Chemical formula for calcium

pyrophosphate is 120^o . The formula for ferric pyrophosphate will be

- (a) $Fe_3(P_2O_7)_3$
- (b) $Fe_4P_4O_{14}$
- (c) $Fe_4(P_2O_7)_3$
- (d) Fe_3PO_4

