

Assignment on Chemical Bonding

Electrovalent Bond. (To be done in the notebook)

1. Draw the electron dot diagrams for the formation of: (Refer to the video)
a) NaCl b) MgCl_2 c) CaO
2. An atom X has three electrons more than the Noble gas configuration. What type of ion will it form ? Write the formula of its
a) Sulphate b) Nitrate. c) phosphate. d) carbonate. e) hydroxide
(Hint : $X - 3 e = X^{3+}$)
3. The electronic configuration of fluoride ion is the same as that of neon atom. What differences can you cite between the two .
4. Compare Chlorine atom and Chloride ion , with respect to
a) electrical state. b) Chemical action. c) Toxicity
5. Fill in the blanks :
 - a) Electrovalent Bond is also called _____.
 - b). Electrovalent Bonds are formed between _____ and _____.
 - c). More the difference in electronegativities of the two elements , _____ will be the Ionic nature of the resulting compound .
 - d). An oxidising agent is an _____ of electrons.
 - e). Electron dot symbol is also called _____ symbol.