Answer 1.1.) If X42 then X should be a metal with valency 2 · Sulphate Formula: X504 · Hydroxide Fermula: X(04)2 Answer 1.2.) XN is nitride. X is a valency 3 metal as nitngen has valency 3 Therefore, Sulphate's firmula would be X2 (504)3 and Hydroxide's formula would be X (OH)3 Answer 1.3) Valency of nitrogen in: 1) NO: +2 2) N20: +1 3) NO2:+4 Answer 2.1) Three symbols whose fixt letter Symbol for them (1) Boron (B) (2) Carbon(C) (3) Hydrogen (H)

Answer 2.2) The eight metals showing variable valency: 1) Iron (fe): +2,+3 2) Copper (Cu): +1,+2 3) Mercury (Hg): +1,+2 4) Tin (Sn) : +2,+4 5) Lend (Pb) : +2,+4 6) Gold (Au): +1,+3 7) Chromium (Cr): +2,+3,+6 8) Manganese (Mn): +2, +3, +4, +6,+7 Answer 2.3.) Examples of chemical equations: (a) One product: 242+02 ---- 2420 (b) Two product: Caco3 - Cao + co2 (C) Three Broducts: 4+NO3 ---> 2420 + 4NO2+02 (d) four Products: 2 KClO3 - 2KCl +202 +02+ D Answer 2.4.) Symbols in chemical equation mean:

(4) 1 - Gas evolved

(ii) 1 - precipitate formed

(iii) (3) - Solid State

(ir) (1) - liquid state (V) (q) - gaseons state

(vi) (aq) - aqueous solution