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Answer 1A) If XCI■ then X should be a metal with valency 2

Therefore

(1) Sulphate Formula : XSO■

(2) Hydroxide Formula : X(OH)■

Answer 1B) X■N is nitride. X is a valency 3 metal as nitrogen has valency

Therefore Sulphate's formula would be X■(SO■)■ and Hydroxide

formula would be X(OH)■

Answer 1C) valency of Nitrogen in:

1) NO: +2

2) N**■**O:+1

3) NO■: +4

Answer 2B) 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) Lead (Pb): +2, +4

(6) Gold (Au): +1, +3

(7) Chromium (Cr): +2, +3, +6

(8) Manganese (Mn): +2, +3, +4, +6, +7

Answer 2C) Examples of Chemical Equations:

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(a) One product : $2H2 + O2 \rightarrow 2H2O$

(b) Two Products : CaCO3 \rightarrow CaO + CO2 +

(c) Three Products : $4HNO3 \rightarrow 2H2O + 4NO2 + O2$

(d) Four Products : 2KClO3 \rightarrow 2KCl + 2O2 + O2 \uparrow + Δ

Answer 2D)