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Answer 1A) If XCl_2 , then X should be a metal with valency 2

Therefore

(1) Sulphate formula: XSO_4

(2) Hydroxide formula: X(OH)_2

Answer 1B) XN is nitride X is a valency 3 metal as nitrogen has valency 3

Therefore Sulphate's formula would be $\text{X}_2(\text{SO}_4)_3$ and Hydroxide formula would be X(OH)_3

Answer 1C) valency of Nitrogen In

1) $\text{N}_2\text{O} = +1$

2) $\text{N}_2\text{O} = +1$

3) $\text{NO}_2 = +4$

Answer 2B) The eight metals showing variable valency

1) Iron(Fe)

(1) +2

(2) +3 Manganese(Mn) yPos of Aaw thithyd &

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

(6) Lead(Pb): +2, +4

(5) Gold(Au): +1, +3 (8) Manganese(Mn) Creat modeses.

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(a) One product : $2\text{H}_2 + \text{O}_2 \rightarrow 2\text{H}_2\text{O}$

(b) Two Products : $\text{CaCO}_3 \rightarrow \text{CaO} + \text{CO}_2 + \Delta\text{H}$

(c) Three Products: $4\text{HNO}_3 \rightarrow 2\text{H}_2\text{O} + 4\text{NO}_2 + \text{O}_2$

(d) four Products : $2\text{KClO}_3 \rightarrow 2\text{KCl} + 2\text{O}_2 + \text{O}_2 + \Delta$