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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) NO : +2

2) N_2O : +1

3) NO_2 : +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 : $2\text{H}_2 + \text{O}_2 \rightarrow 2\text{H}_2\text{O}$

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

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

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

Answer 2D