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Answer 1A) If XCI2 then X should be a metal with valency 2

Therefore

- (1) Sulphate formula: XSO4
- (2) Hydroxide formula: X(OH)2

Answer 1B) XN2 is nitride X is a valency 3 metal as nitrogen has valency 3

Therefore Sulphate's formula would be X2(SO4)3 and Hydroxide formula would be X(OH)3

Answer 1C) valency of Nitrogen in

- 1) NO: +2
- 2) N2O:+1
- 3) NO2: +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,+4,+6
- 8) Manganese (Mn): +2,+3,+4,+6,+7

Answer 2C) Examples of Chemical Equations :

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^{**(}a)**

^{*} One product: 2H2 + O2 \(\rightleftharpoons\) 2H2O

(b)

* Two products: CaCO3 \(\rightarrow\) CaO + CO2 + \(\Delta\)

(c)

* Three products: 4HNO3 \(\rightarrow\) 2H2O + 4NO2 + O2

(d)

* Four products: $2KCIO3 (\left| \frac{3O2 + (\left| Delta \right|)}{2KCI + 3O2 + \left| \frac{3O2 +$

Answer: 2D