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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) XN 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, +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 → Cao + CO2 +

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

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

Answer 2D