Page 1

The image shows a piece of graph paper with handwritten notes and equations. The text is written in black ink and appears to be answering questions related to chemistry, specifically valency and chemical formulas.

Here is the extracted text:

Answer 1A)

If XCl2 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:

Page 2

(a) One product : $2H_2 + O_2 \rightarrow 2H_2O$

(b) Two Products : $CaCO_3 \rightarrow CaO + CO_2 + \varnothing$

(c) Three Products : $4HNO_3 \rightarrow 2H_2O + 4NO_2 + O_2$

(d) Four Products : $2KClO_3 \rightarrow 2KCl + 3O_2 \uparrow + \varnothing$