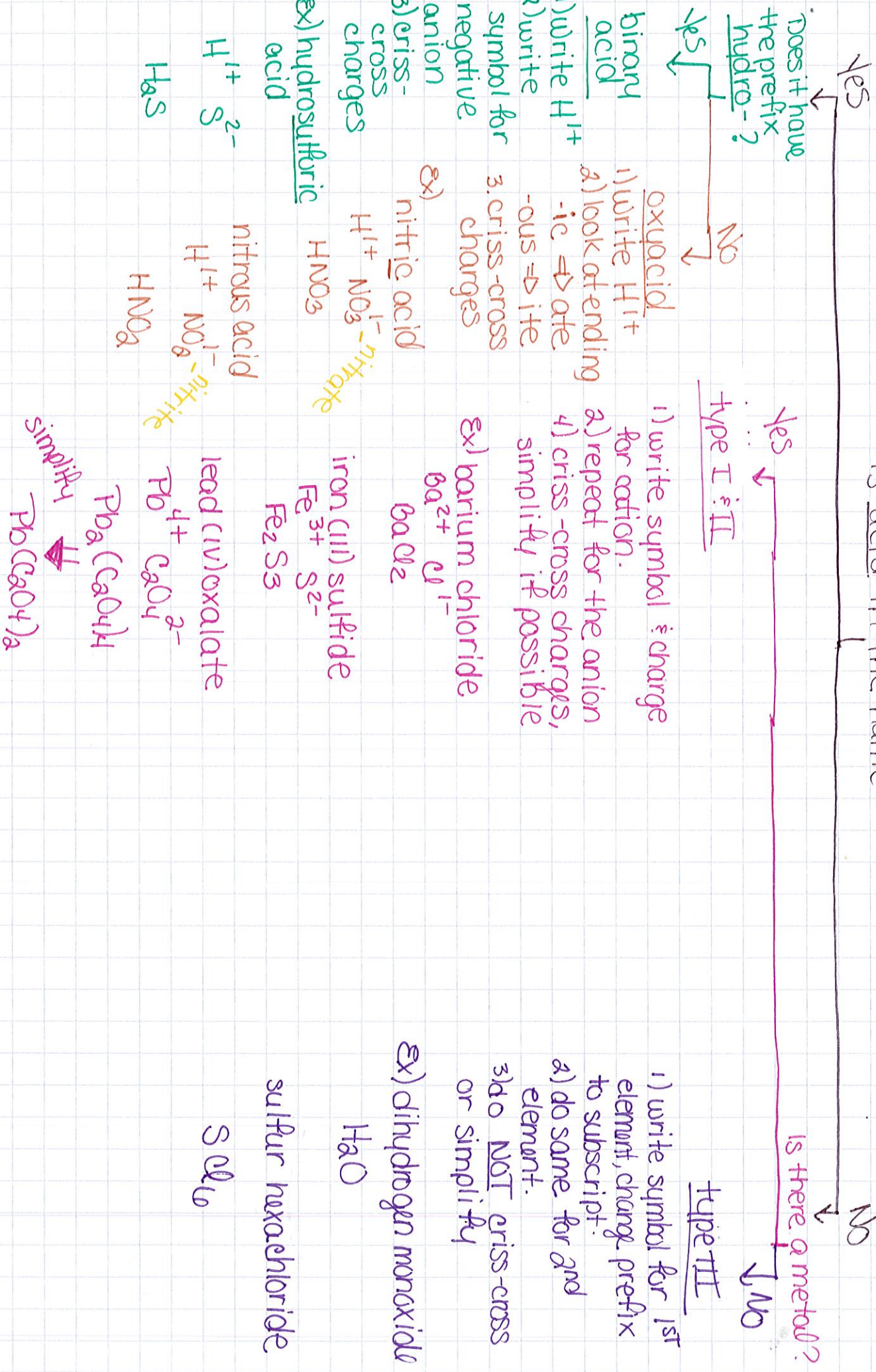


Writing Formulas
Is acid in the name?



Writing Names is H the 1st element?

Is there an oxygen?



Oxyacid

Binary acid

1) change ate to ic acid or ous acid
change ite to ous acid

1) write hydro + anion + ic acid
Ex) H_2SO_3 sulfite acid

sulfurous acid

sulfuric acid

hydrocyanic acid

HCN

1) write metal's name
2) use Roman numerals for metals original charge

Is it a transition metal?



1) Do the same as for a transition metal, BUT do NOT write Roman numerals!

Ex) $Mg(OH)_2$

magnesium hydroxide

Na_3P

sodium phosphide

Does it have a metal in it?



It's covalent, TYPE III

1) write name of 1st element, change subscript to a prefix.
a) do same for 2nd element. change ending to ide.

Ex) P_4O_{10}

tetraphosphorous dioxide

IF_7

iodine

heptafluoride



tin (IV) sulfate