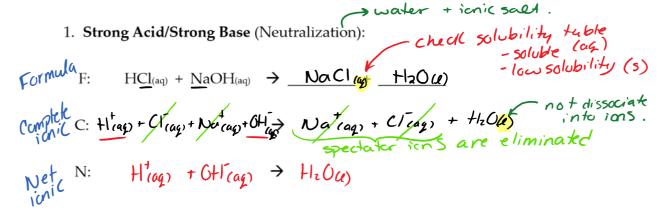
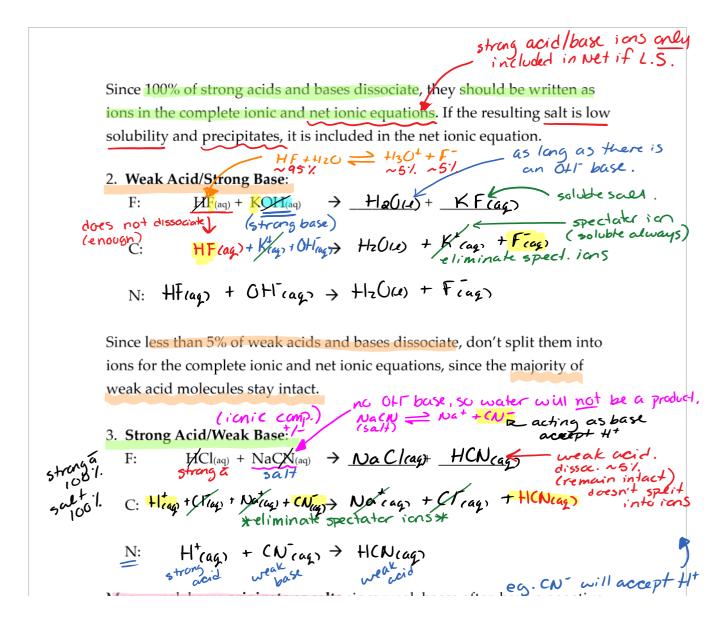
III) Writing Formula (Molecular), Complete Ionic and Net Ionic Equations for Acid/Base Reactions

March 5, 2018 1:46 PM

III) Writing Formula (Molecular), Complete Ionic, and Net Ionic Equations for Acid/Base Reactions



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H'(ag) + (N(ag) > H(N(ag) strong) weak weak Many weak bases originate as salts since weak bases often have a negative charge. The salt will dissociate 100% in the salt will dis will then react 100% due to the strong acid present. Here is an example when the weak base does not originate as a salt: weak base

F: HCl(aq) + NH3(aq) > NH4Cl(aq) (not ionic comp)

strang a
diss 1001. C: Higgs + Clear + NH3(ag) > NH4(ag) + Clear)
Heliminate spectator ions * (soluble) Htags + NH3(ags > NH4tags)

rons

weak

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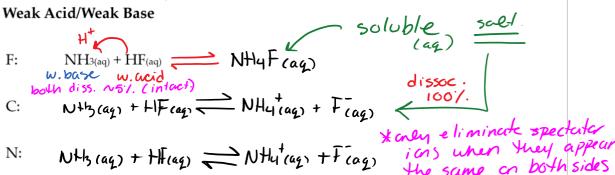
weak

(not a sut)

12

Sometimes when an acid and base react, only a salt is produced as the base does not contain OH, so no water can form.

4. Weak Acid/Weak Base



Assignment 4 Write Formula (Molecular), Complete Ionic, and Net Ionic Equations for the following Acid/Base reactions:

1.
$$HClO_{4(aq)} + KOH_{(aq)} \rightarrow$$

3. HCOOH (aq) + LiOH (aq)
$$\rightarrow$$

4. HI (aq) + NH3 (aq)
$$\rightarrow$$

5.
$$Sr(OH)_{2 (aq)} + HNO_{3 (aq)} \rightarrow$$