

Today, Feb 16 Sections 15.14 and 15.15

Sunday: Problem club with Ali

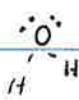
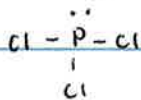
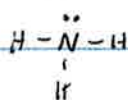
Monday 2/19: Review day

Tuesday: Problem club with Ali

Wednesday: CK2

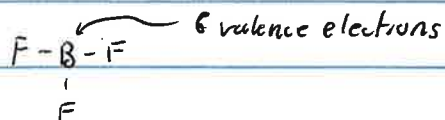
Lewis acids and bases

Lewis base: has an E group on central atom



Lewis bases share the E group with Lewis acids

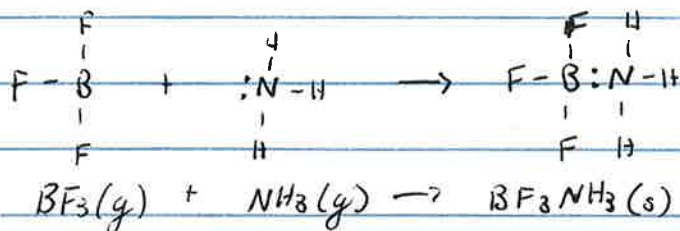
Lewis acids:



Any metal cation (Na^+)

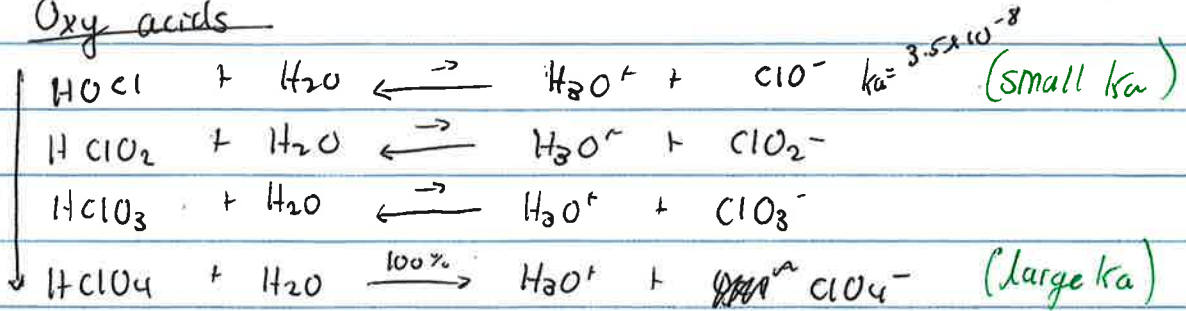
neither: $\begin{array}{c} \text{H} \\ | \\ \text{H} - \text{C} - \text{H} \\ | \\ \text{H} \end{array}$

Demo:



Oxy acids

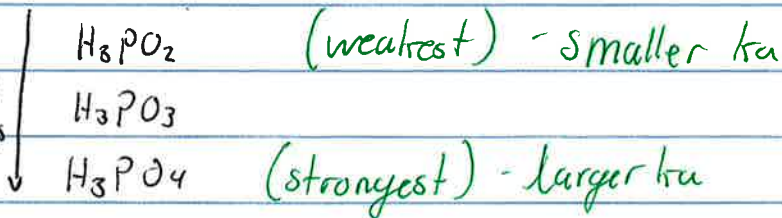
acid strength increases ↓



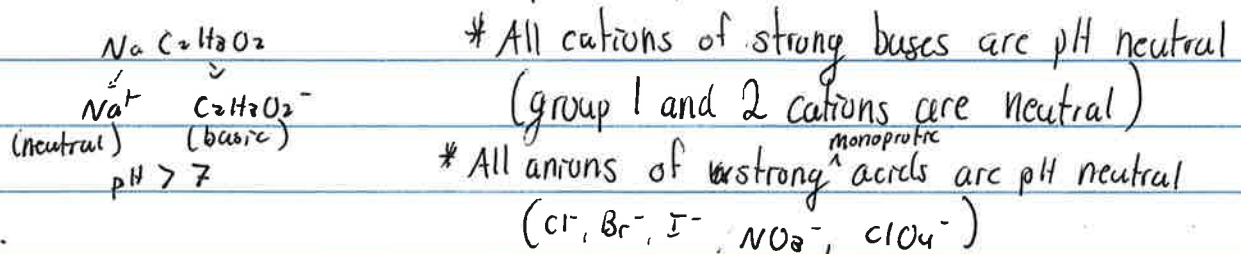
* also applies to other oxy acids

HNO_2 weak acid
 HNO_3 strong acid (more O atoms)

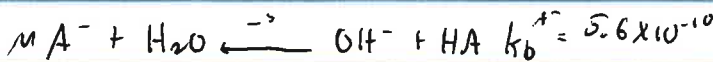
acid strength increases ↓



Predict if a salt is acidic, basic, or neutral



So...



T
C
E

