**Brønsted-Lowry Acids and Bases** strength of acid related to stability of conjugate base conjugate bases carry negative charges stabilized by: polarizability related to size (LDF) electronegativity inductive effect resonante  $HI \rightarrow H^+ + I^$ largest orbital 5*p* orbital most stable  $HBr \rightarrow H^+ + Br^-$ 4*p* orbital strongest acid  $HC1 \rightarrow H^+ + C1^-$ 3*p* orbital  $HF \rightarrow H^+ + F^-$ 2p orbital