(23) **Today**

Chap 6 Acid-Base and Donor-Acceptor Chemistry

Next Class

Test 2 Chap 4 Symmetry Chap 5 Molecular Orbital Theory

(24) Second Class from Today

Chap 6 Acid-Base and Donor-Acceptor Chemistry

Third Class from Today (25)

Chap 9.1 Introduction to Coordination Chemistry

Leveling Effect of Solvents

Section 6.3.1

amphoteric - can act as bose or acid

What's the strongest Brønsted-Lowry acid that can exist in aqueous solution?

What's the strongest Brønsted-Lowry base that can exist in aqueous solution?

What's the strongest Brønsted-Lowry acid that can exist in a given solution?

The protonated solvent
You must pick your solvents carefully when warking with
strong acids because the solvent puts a ceiling on the
strongest acid that can exist in that solution.

What's the strongest Brønsted-Lowry base that can exist in a given solution?

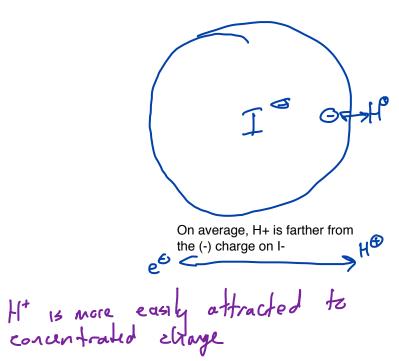
The deprotonated solvents
You must pick your solvents carefully when warking with
strong bases because the solvent puts a ceiling on the
strongest base that can exist in that solution.

down a family

HF H CI HBr HI CH30H CH3SH us 4,5 Feff is land e's density is H+ is on awage more diffuse doser to the

as we go down a family

Increased volume



for "oxy-acids"

No 6061

for "oxy-acids"

Stronger 6-61 charges are the same on the central atom, but the more electronegative atom is able to stabilize the 9 more effectively 4-01 H-Br Strong 5