## (5) Today Next Class (6)

Sections 11.1 - 11.6: Substitution Reactions Sections 11.7 - 11.11: Elimination Reactions

Sections 10.5, 17.6: Alcohols in Nucleophilic Substitution Reactions

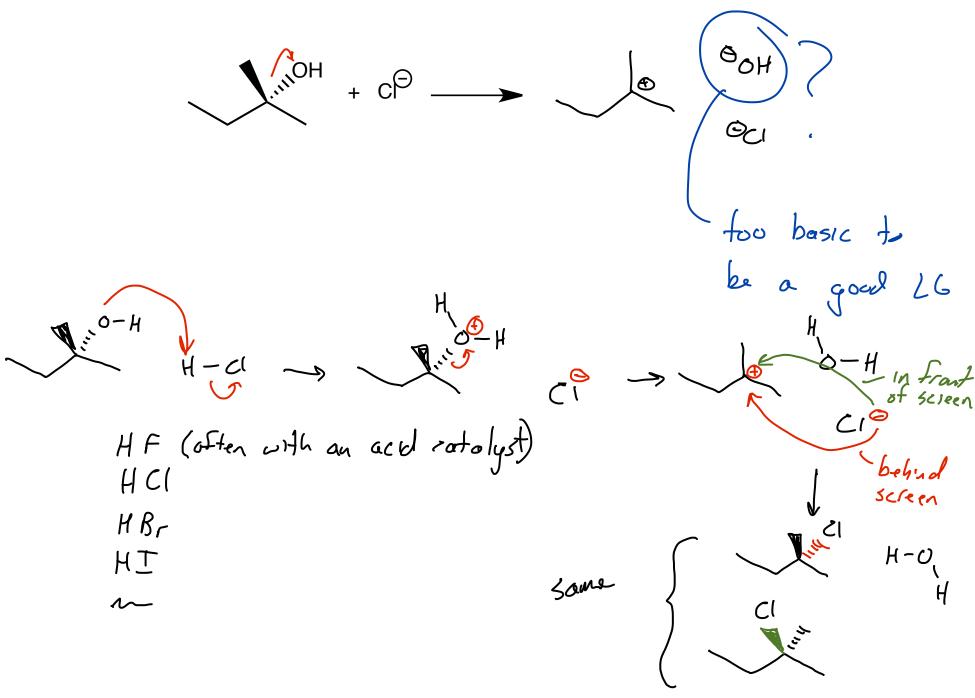
## (7) Second Class from Today

Third Class from Today (8)

Sections 11.7 - 11.11: Elimination Reactions

Chap 12: Mass Spectrometry and Infrared Spectroscopy

Section 17.6: Alcohols and Elimination Reactions



Why doesn't HCl work well For 1° 2-6 but H-br does? H H-0 1 .... C1 & ... H-0 smaller of H

Intracts

More strongly

with H20 biggs...

biggs...

H-0

Intracts

1egs strongly nucleophilicity reduced JAL HZO due to intraction nucleaphilicity not reduced as much because intraction with solvent is weaker

Use Lewix acids instead of Ht. no protic solvents to seduce nucle ophilicity of decomposes to

Br/1 Br ZnClz 5 c1 21 p c1 BF Br

Lewis acids to convert bad OHE LG to a good H-O-something LG and replace the alcohol with a halogen HeO is weakly bosic ... good 66.

Things that we even weaker bases than H2O would be even better leaving groups.

