*CHEM 242 – Lecture 16 14/02/2014*

Overheads: - Outline

Recap Wednesday: Reactions of Benzene

* less reactive than “normal” C=C
* need very strong E+



5 types of E+:







More about F-C Alkylation

⇨ For 1° R-Cl: Can’t make C+, so more like SN2



Complication with F-C Alkylation: What can C+ do?

 Called Acylation-Reduction



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“zinc amalgam” = Zn “dissolved” in Hg(l) better reducing agent





What if there is already a group on the benzene ring?



a) Why is there less ortho (more para) than expected?

⇨ steric hinderance!

⇨ the bigger the R groups, the more para (sometimes only para)

b) Why is there no meta?

⇨ Resonance! (next class!)