

Ch 17

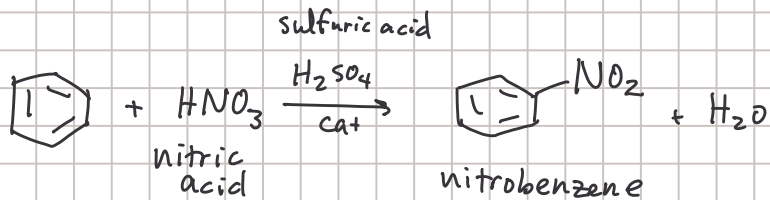
Note Title

2/22/2006

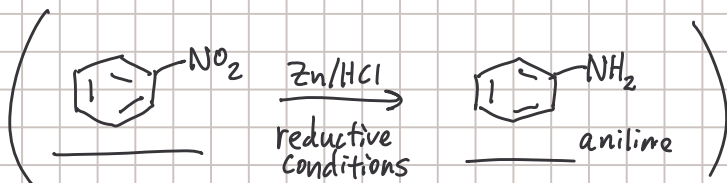
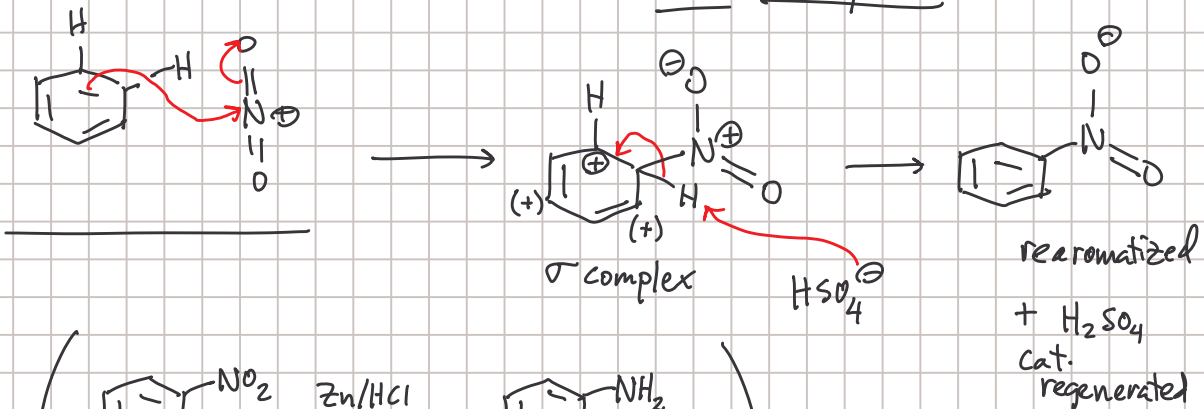
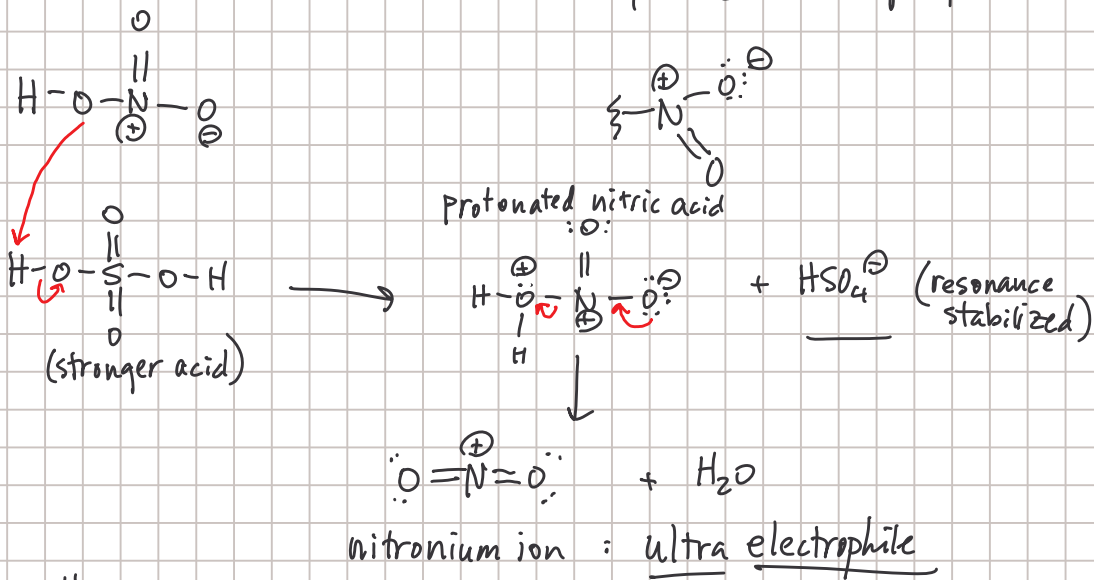
Webassign HW #2 posted

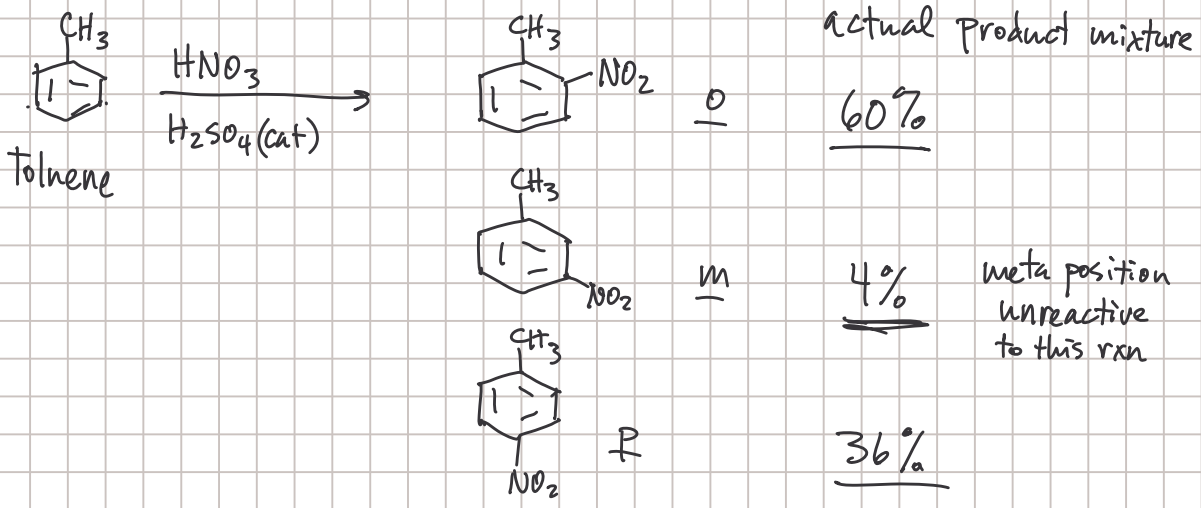
due 5pm next wed

Nitration

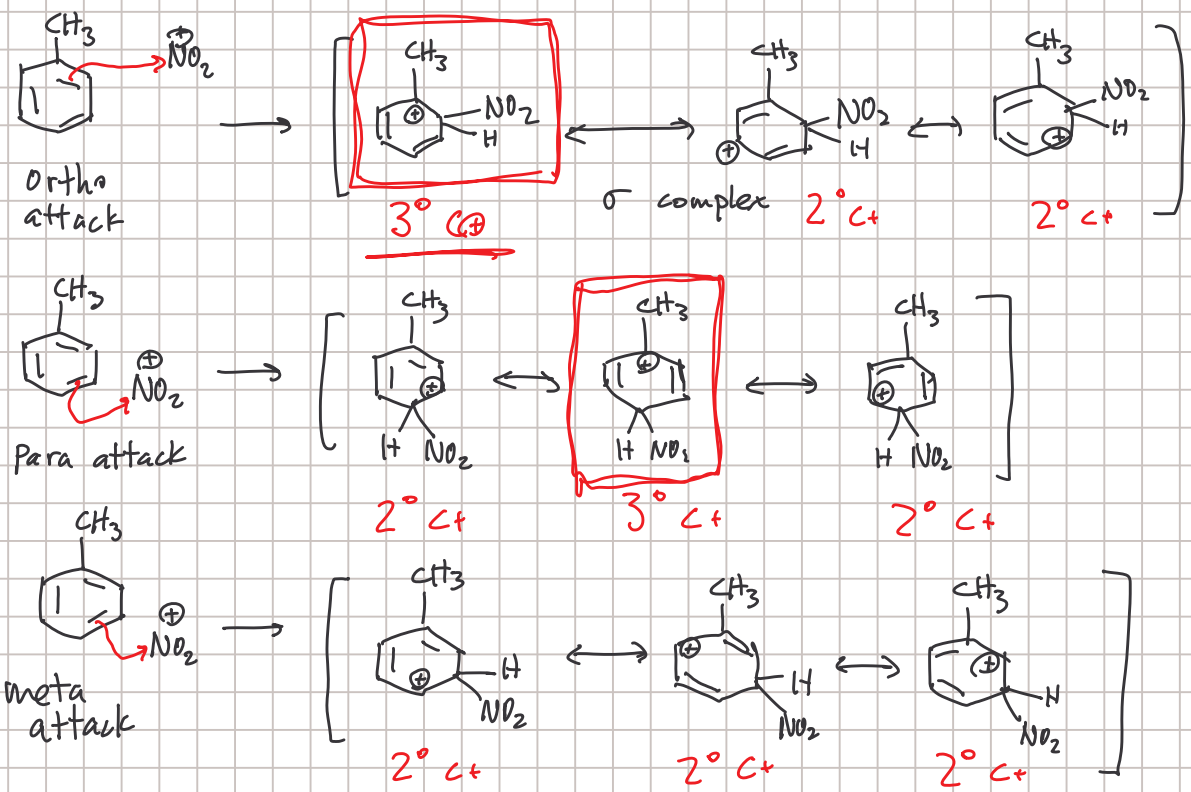


-NO_2 = nitro group





statistical mixture = $\frac{40}{o} : \frac{40}{m} : \frac{20}{p}$



No 3°C^+ to stabilize σ complex

Activating, ortho-para-director

- CH_3 is a σ donor (inductive stabilization of C^+ by donating e^- dens thru σ bond)
- same for any alkyl group
- o, p - directing - C^+ stabilization only when attack is o or p to directing group.