

Course 343-5

Lecturer Dr. Outlaw for Prof. Gellman

Day FRIDAY! Mooray!

Date 10/28/2016

Notes Taken By Sung Ho

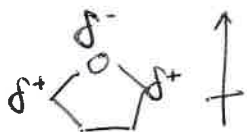
Total # of Pages 4

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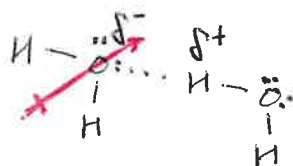
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Recap: Non-covalent Interactions

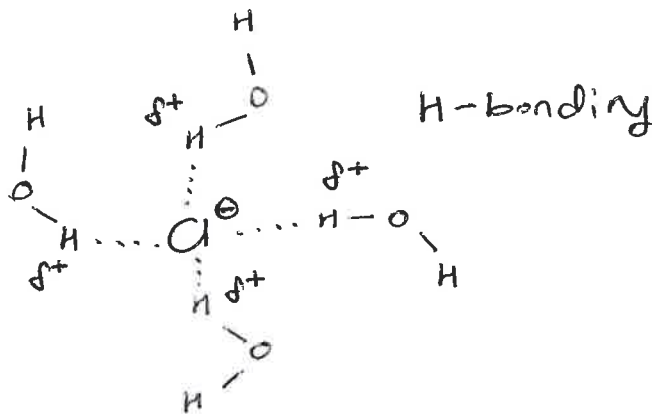
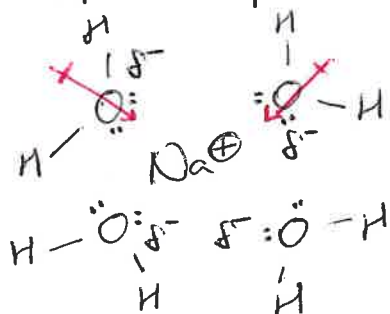
1) Dipole - Dipole



2) H-bonding



3) Cation - Dipole



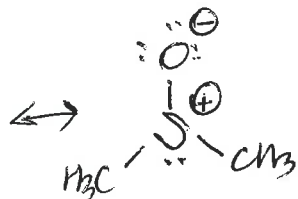
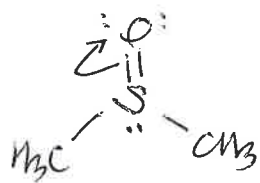
Solvents: protic or aprotic

form H bond
donor

Do not

H₂O, MeOH, EtOH

THF, CH₂Cl₂, Et₂O,
DMSO

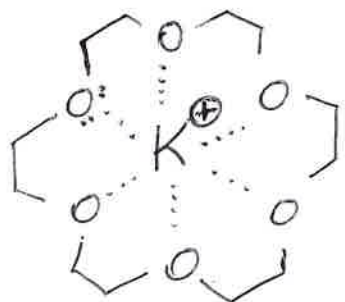


CSC(=O)C (dimethyl sulfoxide)

$\epsilon = 43$

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18-crown-6

Crown ethers

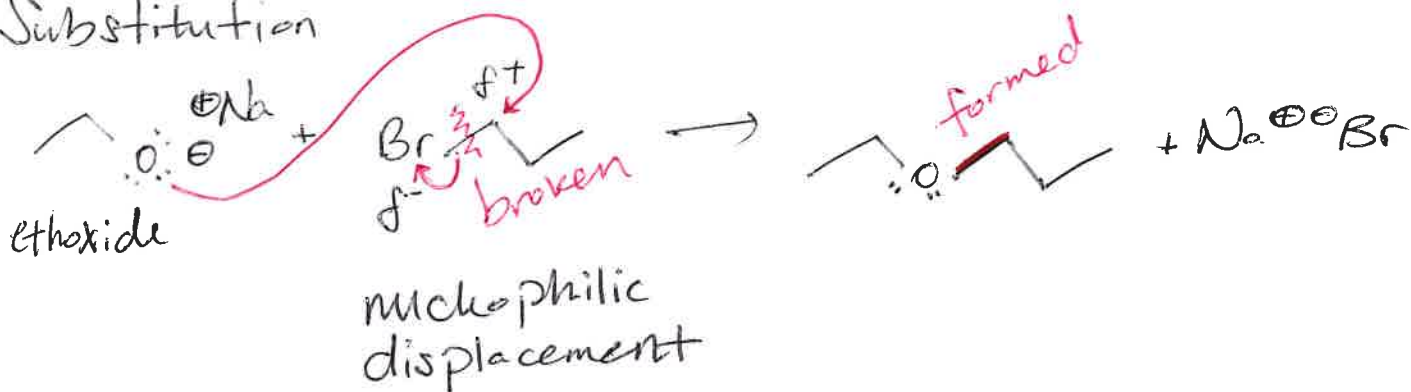
Nobel Prize 1987

Ch. 9 Reactions of Alkyl Halides

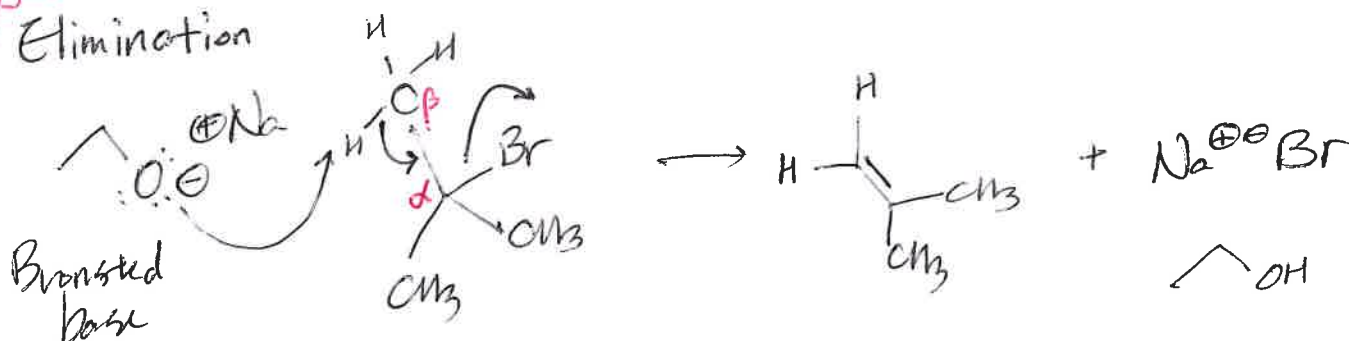
Topic: Substitution and Elimination Reactions

Problems 1, 3-6, 8-38, 44-57, 59-80, 83-87

Substitution

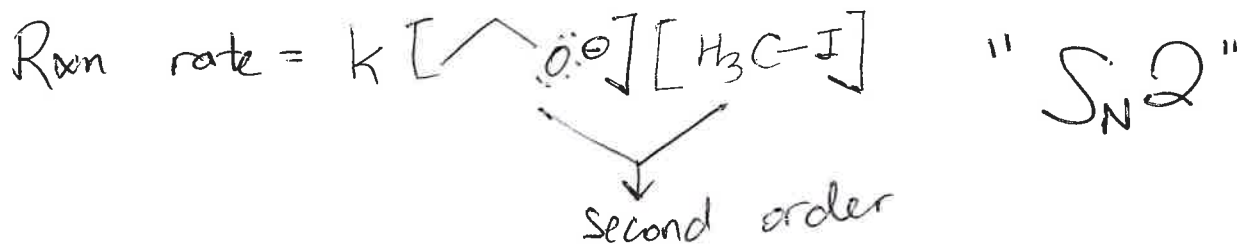
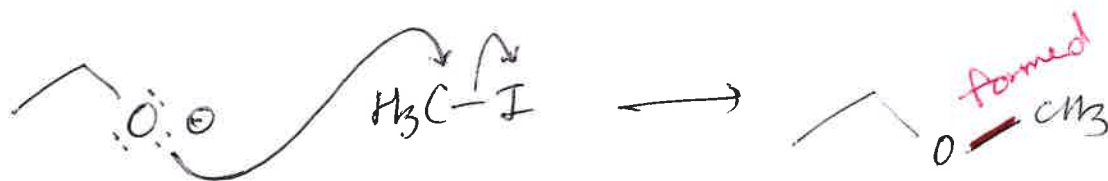
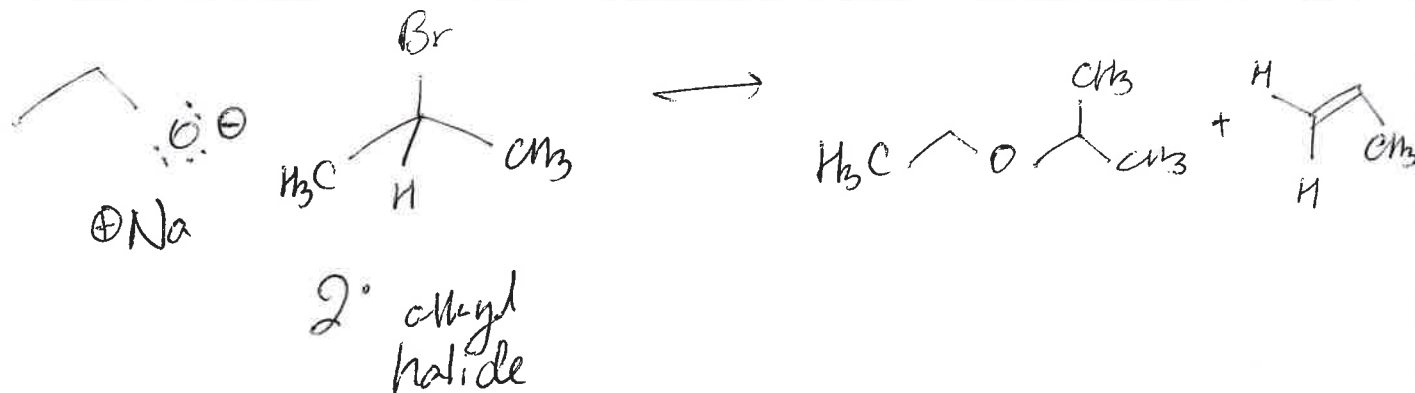


β -Elimination

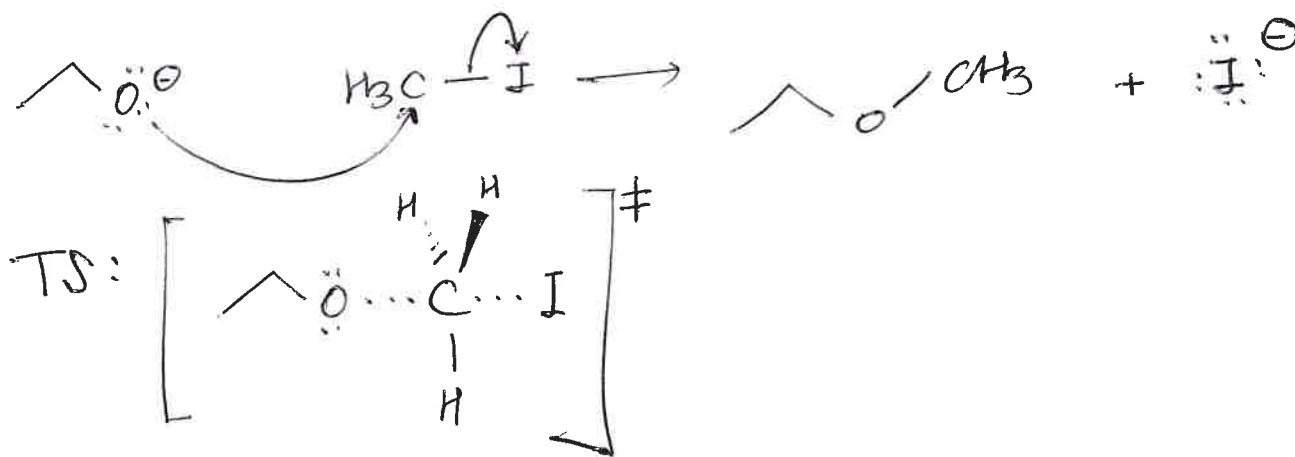


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Mech



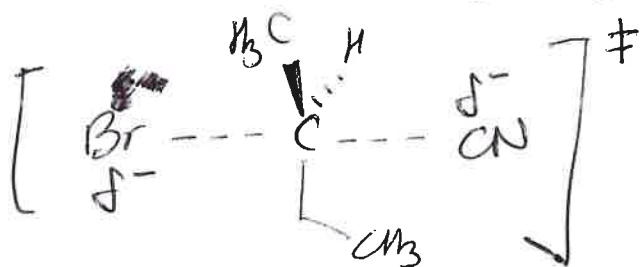
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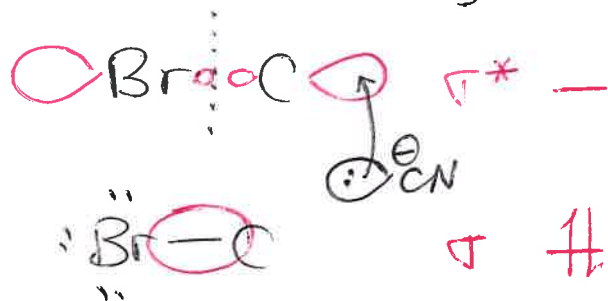
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Geometry of Approach



$S_N2 =$
Inversion



e^- into σ^* : bond breaks