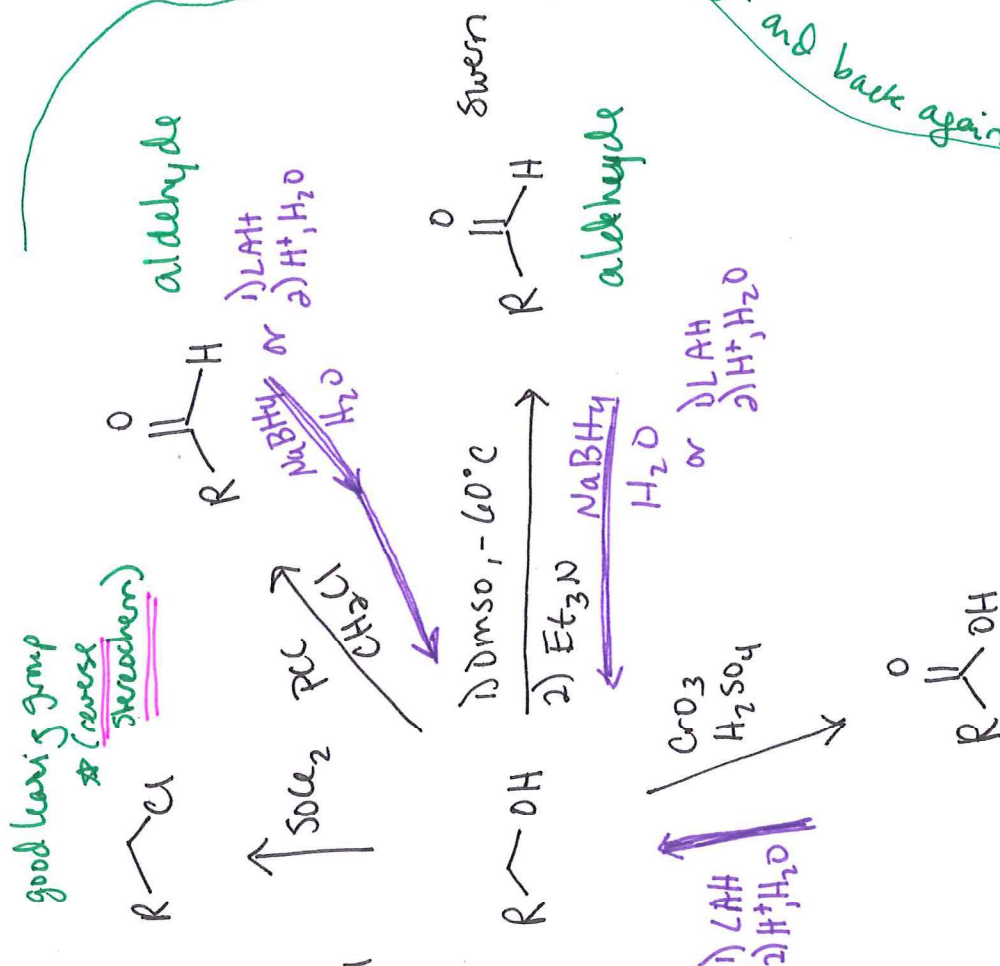


ways to change $-OH$ to a carbonyl and back again

Swern

De



Jones Reagent

carboxylic acid

options to make a move
back -H leaving
back at 11:00

good leaving group $R-Oms$
keep stereochem

can keep or change stereochemistry

$R-OTs$
good leaving group
keep stereochem