





Exam Information:

Concepts 91 points

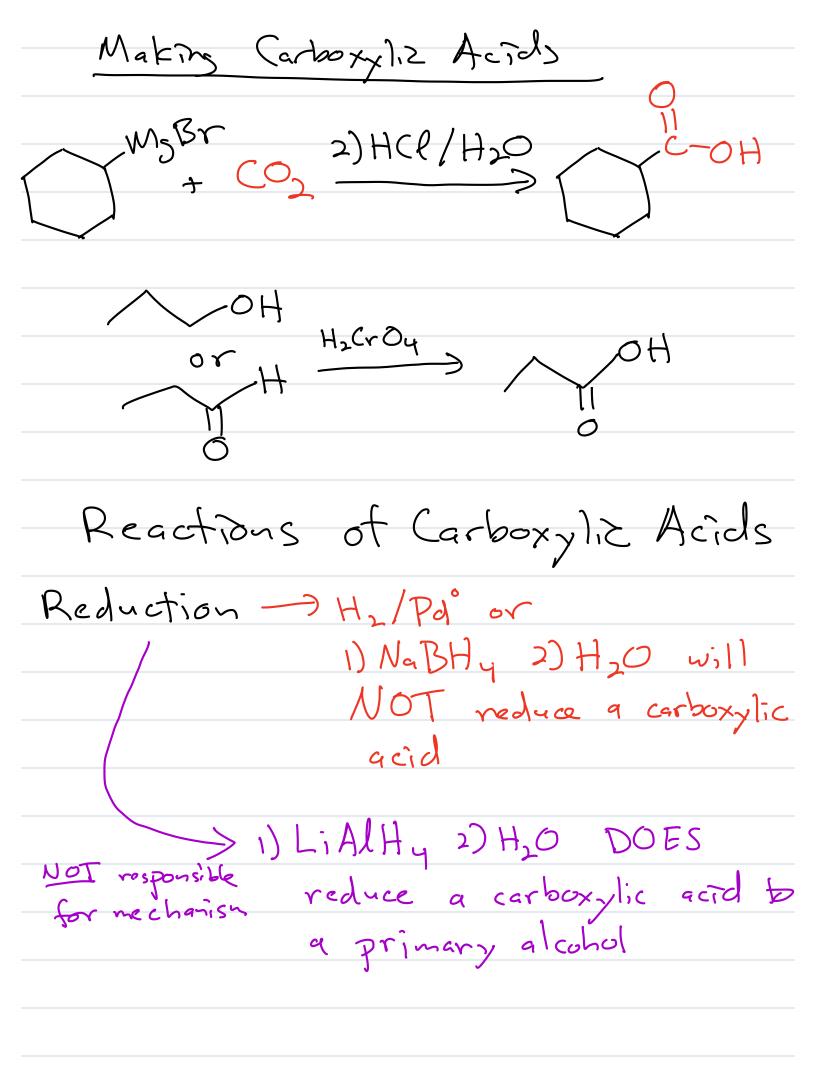
Mechanisms 70 points

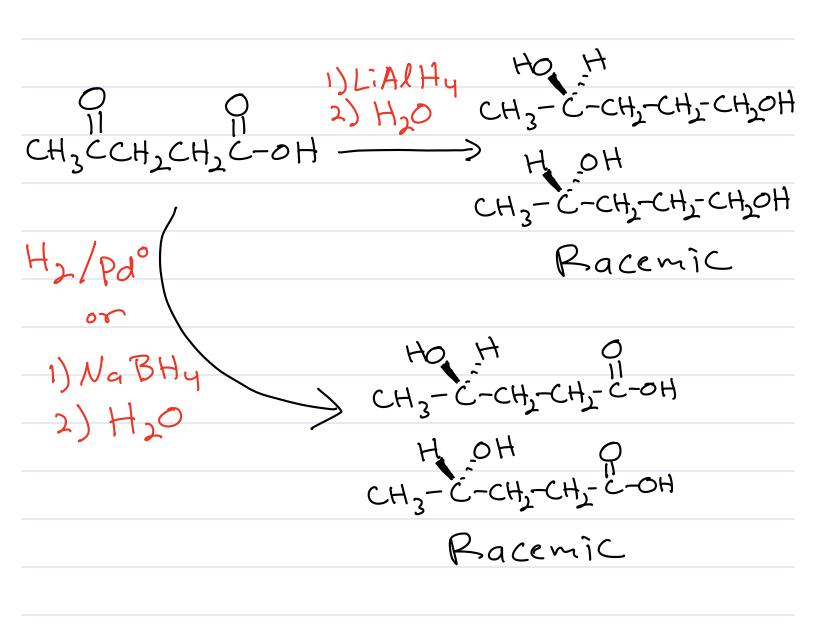
Reactions 77 points

("Box Problems) 41 points

MCAT 16 points

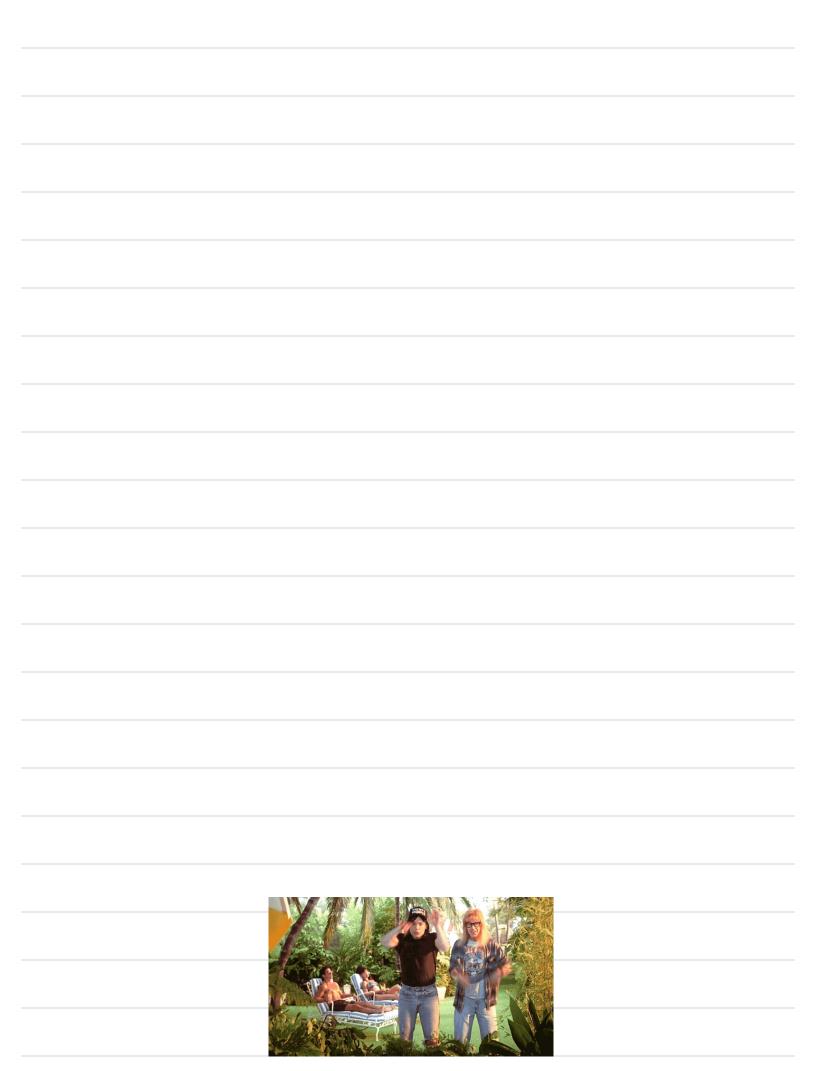
Question 295 points

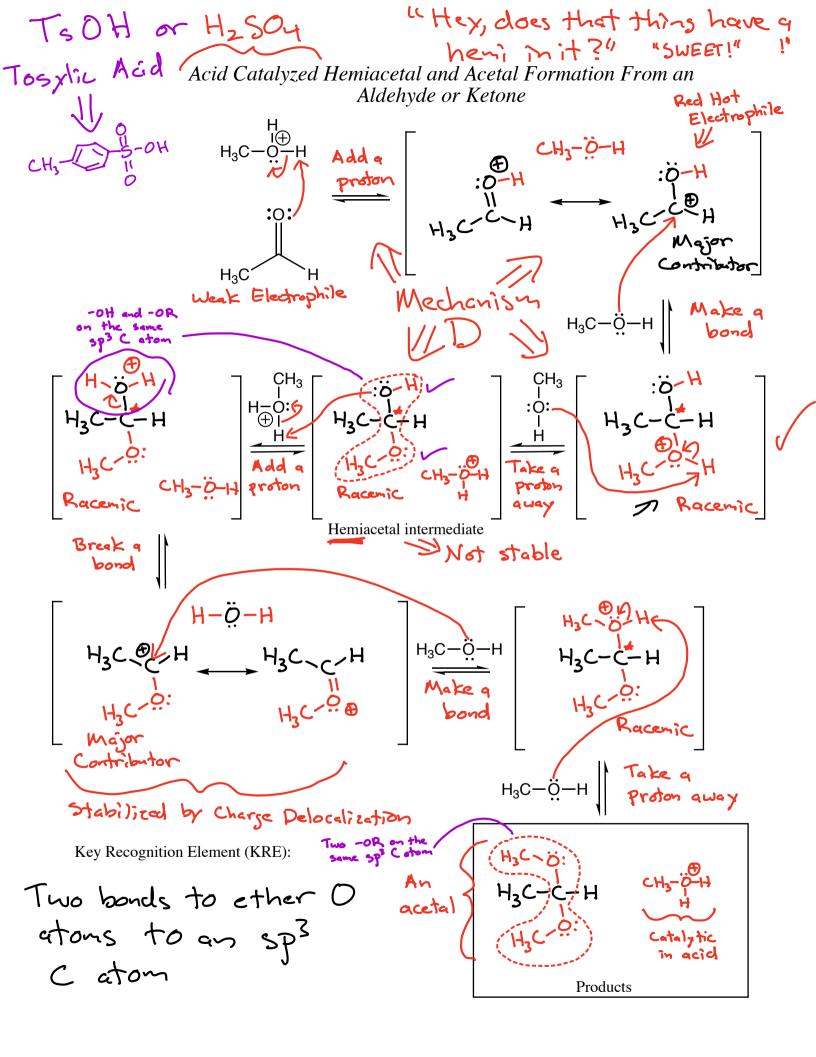


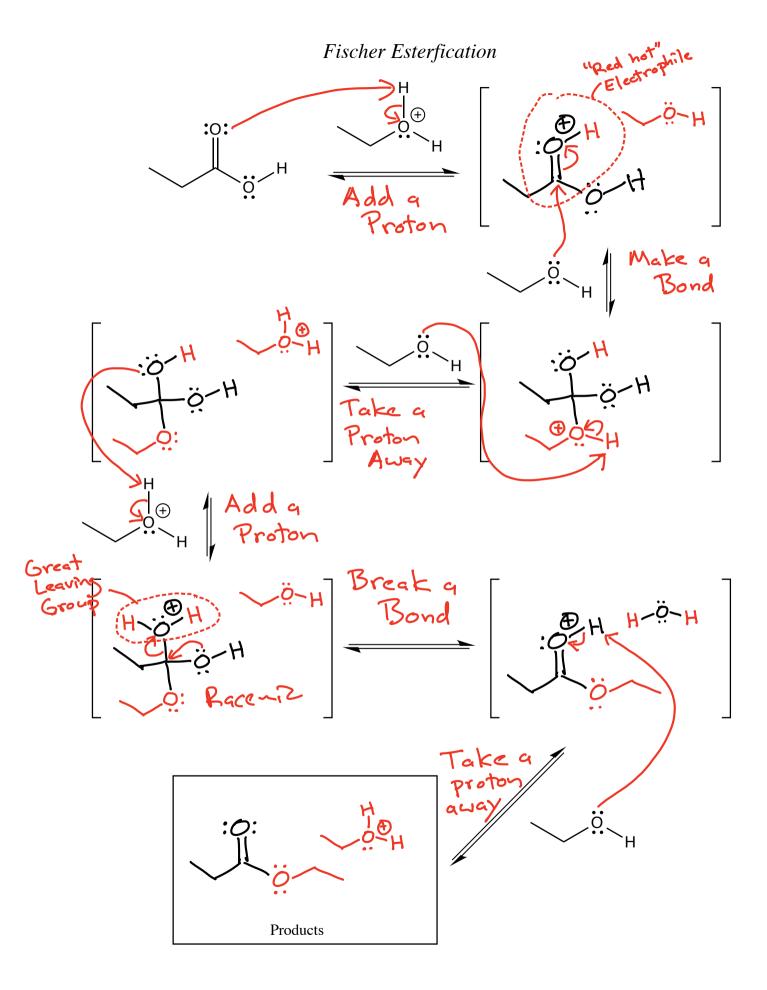


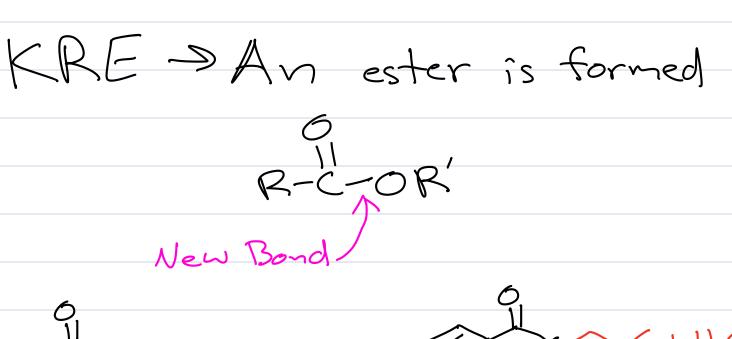


Time Capsule ->
This is
Reversible











Time Capsule ->
This is reversible

The position of
equilibrium depends
on the ratio of
alcohol to water



You can make cyclic esters called Lactones

Protip: Always put numbers on the atoms when a ring is involved

Carboxyliz Acid and SO(l)
Thionyl Chloride



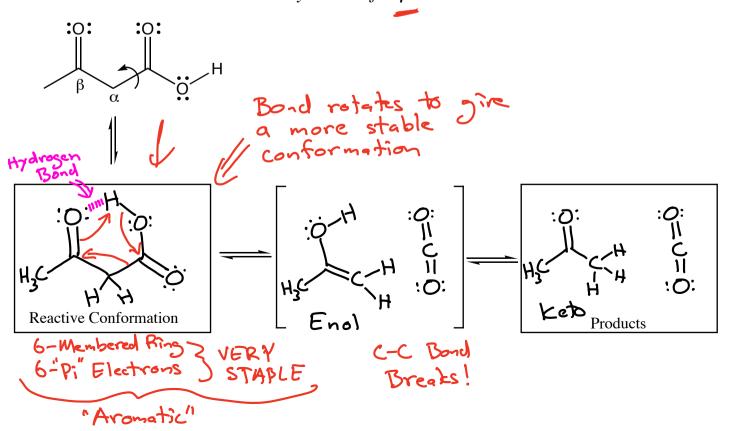
Acid Chloride



Time capsule ->
You can make
all of the other
carboxylic acid
derivatives from
acid chlorides

Reaction with Thionyl Chloride

Decarboxylation of a β -Keto Acid



KRE -> Ketone and CO2 Broke a C-C Bond!



Time capsule ->
Important for
products of Claisen
reaction!

This also works with B-diacids

Hydrogen

O:

O:

H-O:

KRE -> Ketone + CO2

Broke a C-C bond

Time Capsule:
This is important
for the Claisen
condensation
reaction.

HÖ HÖ H H H-Ö-C-CH3 "

diacids react the same