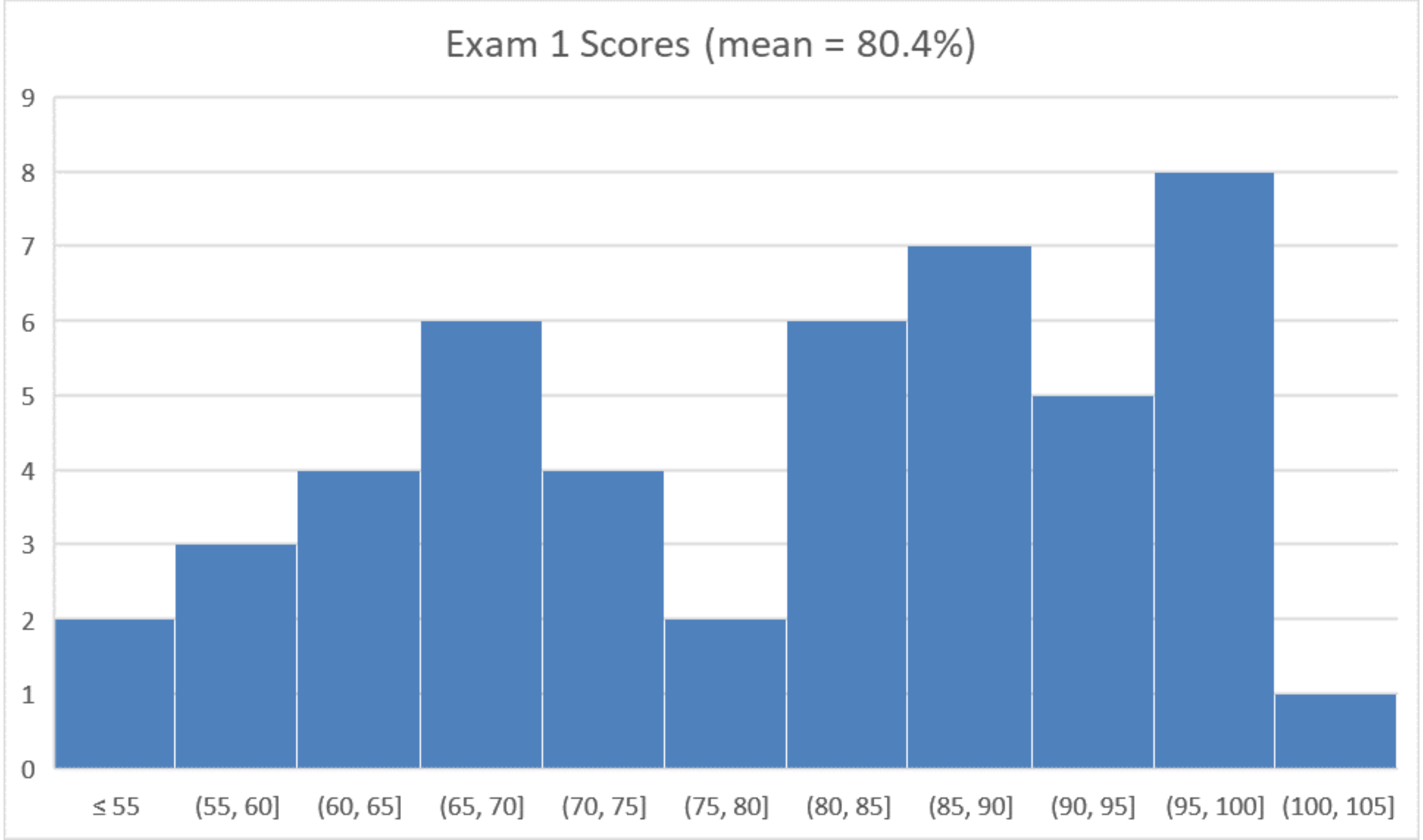
Acid Chlorides

2/24/2023


Exam 1 Scores (mean = 80.4%)
9
8
7
6
5
4
3
2
1
0
≤ 55
(55, 60]
(60, 65]
(65, 70]
(70, 75]
(75, 80]
(80, 85]
(85, 90]
(90, 95]
(95, 100]
(100, 105]

Exam 1 Corrections

Will be posted as a Moodle assignment

Correct **EVERYTHING** you missed, and get (up to) 5 points back!

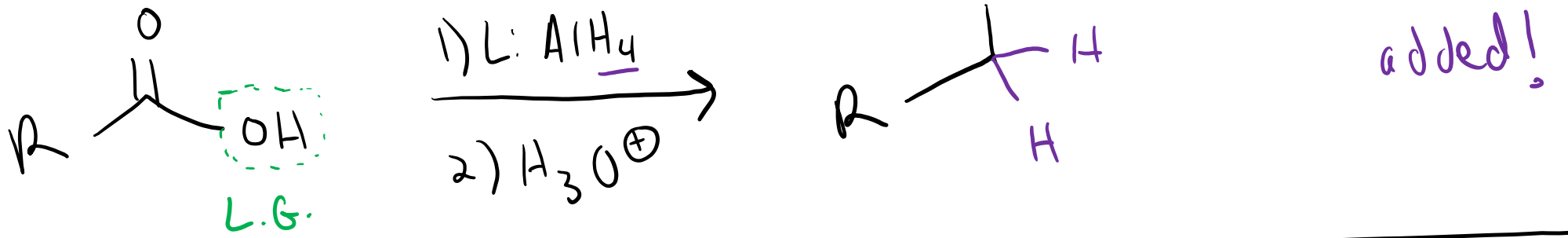
Scan and upload your exam to the Moodle assignment, as well as your corrections.

The deadline will be mid-late March (definitely before next exam!)

Talk to me or a TA if you need help figuring out what you did wrong, or what the correct answer should have been!

Reduction of Carboxylic Acids

(20.5)

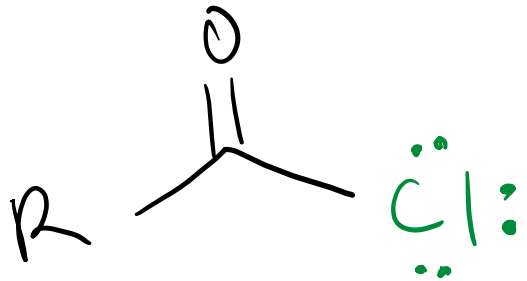


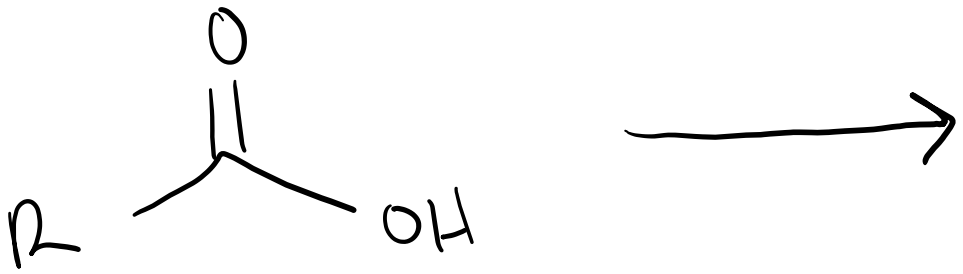
Two H's added!

Mechanism:

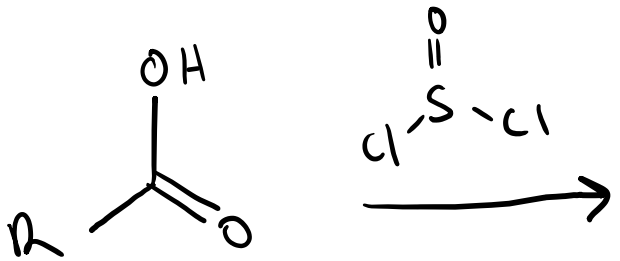
Synthesis of Acid Chlorides

(20.8)





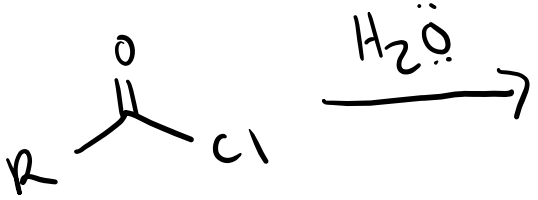
Carboxylic Acid → Acid Chloride: Mechanism



Reactions of Acid Chlorides

Hydrolysis:

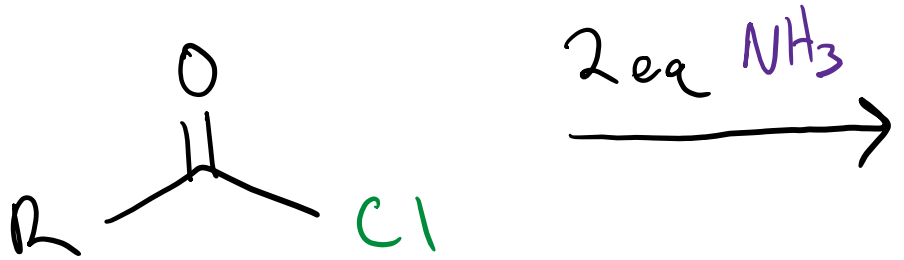
mechanism:



Alcoholysis:

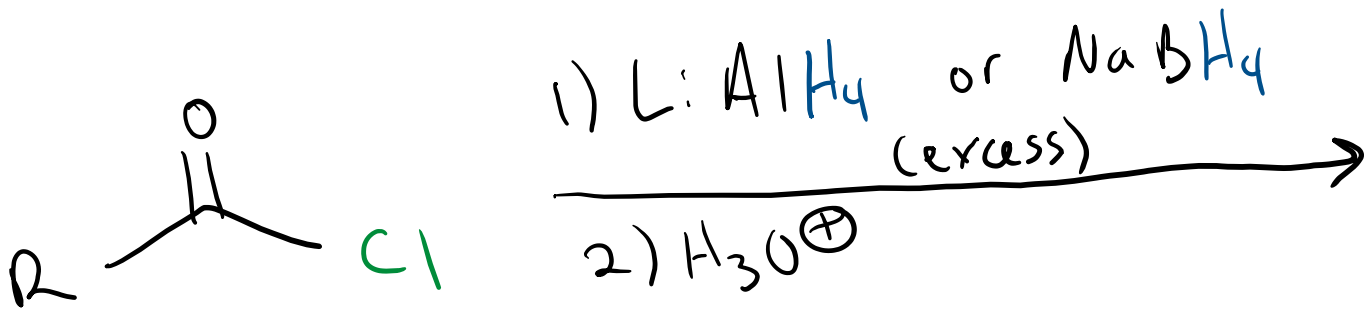
Reactions of Acid Chlorides

Aminolysis:



Reactions of Acid Chlorides

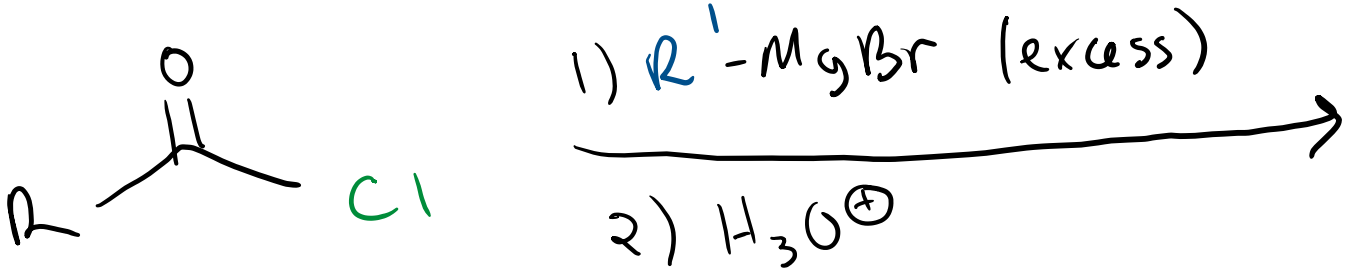
With Reducing Agents:



mechanism:

Reactions of Acid Chlorides

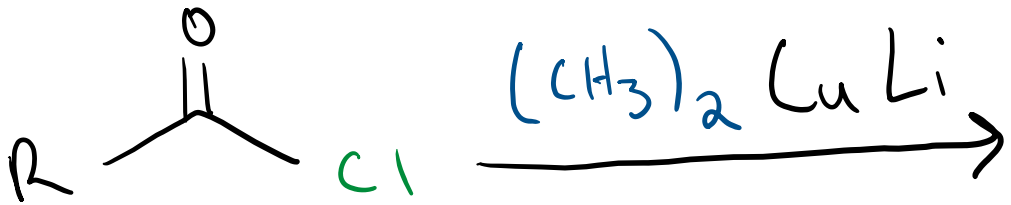
With Grignard Reagents



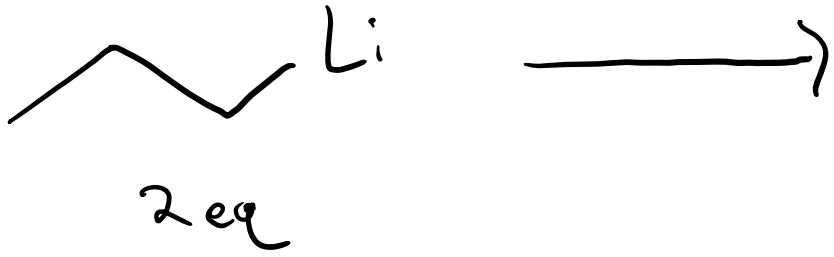
mechanism:

Reactions of Acid Chlorides

With Organocuprates ("Gilman Reagents"):



making the organo cuprate



acyl transfer mechanism: