

13.S: Reactions at the α -Carbon, Part II (Summary)

Before moving on to the next chapter, you should:

- Be able to draw reasonable mechanisms for reactions of the following type:
 - Decarboxylation of a β -carboxy ketone or aldehyde
 - Claisen condensation and retro-Claisen cleavage
 - Hybrid decarboxylation-Claisen condensation
 - Conjugate addition
 - *E1cb* elimination
 - Understand (though not necessarily memorize) the fatty acid synthesis and degradation cycles, and how the Claisen, retro-Claisen, conjugate addition, and *E1cb* elimination steps fit in.
 - Be able to draw a complete mechanism for the Rubisco reaction.
-

This page titled [13.S: Reactions at the \$\alpha\$ -Carbon, Part II \(Summary\)](#) is shared under a [CC BY-NC-SA 4.0](#) license and was authored, remixed, and/or curated by [Tim Soderberg](#) via [source content](#) that was edited to the style and standards of the LibreTexts platform.