

[tbtF2MXp2hQ](https://www.youtube.com/watch?v=tbtF2MXp2hQ)

In this video, the aldol reaction of acetaldehyde was used to make an alpha beta unsaturated aldehyde which is a type of michael acceptor. The claisen ester condensation reaction was used to convert ethyl acetate into the acetoacetic ester. From the acetoacetic ester, we can create different types of methyl ketones. Using the malonic ester synthesis reaction, we were able to create alpha substituted carboxylic acid molecules.

This video covers synthesis problems and reaction mechanisms associated with the aldol reaction, claisen ester condensation, the acetoacetic ester reaction, and the malonic ester synthesis reaction.

Source : <https://www.youtube.com/channel/UCEWpbFLzoYGPfuWUMFPSaoA>

Source : [The Organic Chemistry Tutor](#)