

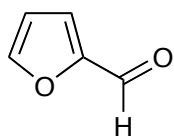


# Chem 342 • Organic Chemistry II

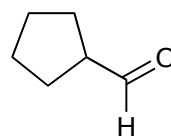
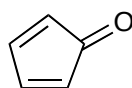
Suggested Problems for Chapter 19

## Additional Practice Problems:

Rank the following carbonyls in order of increasing reactivity for nucleophilic addition.



LEAST REACTIVE



MOST REACTIVE

The mechanism for the hydrolysis of an acetal is partially shown below. This is the reverse of acetal formation. Complete this mechanism by showing all arrows for electron movements and filling out the partially drawn structures. Include any additional acid or conjugate base necessary for the mechanism.

