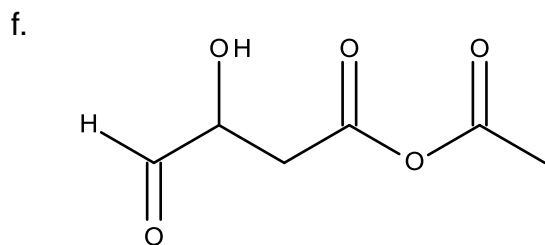
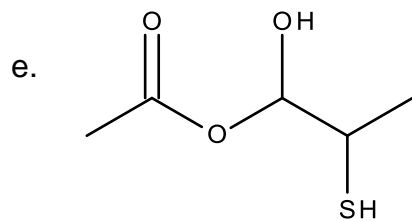
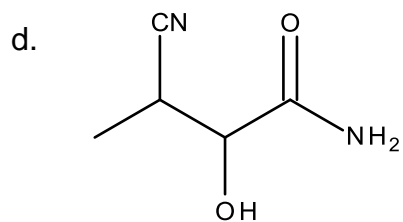
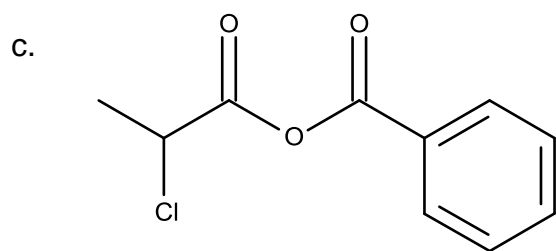
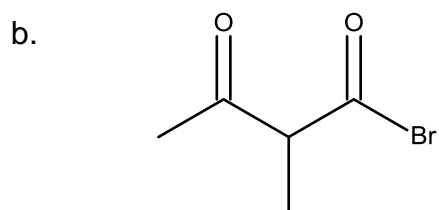
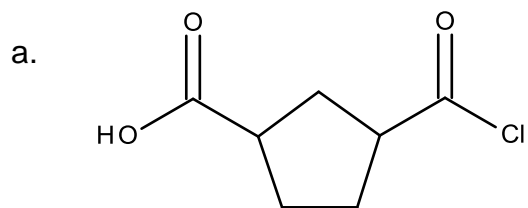
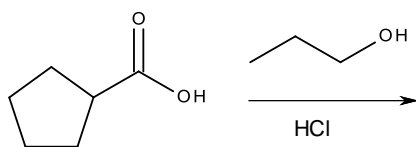


1. Name

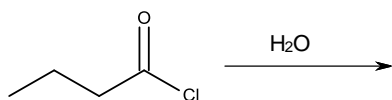




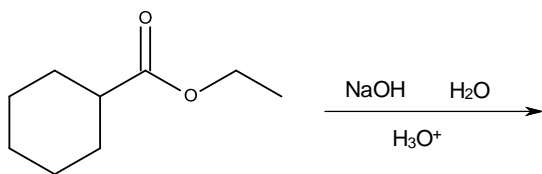
3. Complete the following mechanisms  
a. Fischer Esterification



- b. Hydrolysis of acid chloride



c. Ester hydrolysis



4. Complete the following preparations

a. Prepare butanamide from butanal

b. Prepare a mixture of cyclopentanecarboxylic acid and Propyl cyclopentanecarboxylate

c. DO this 2 ways prepare propyl butanoate from 1-butanol

d. Prepare Hexanoyl bromide from 1-chloropentane