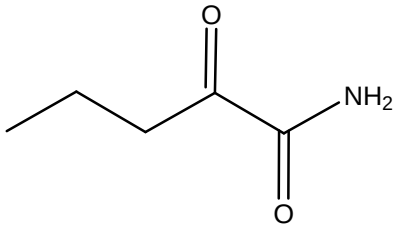
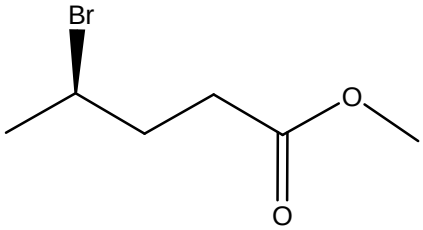
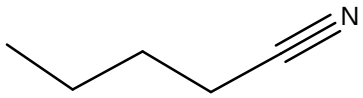
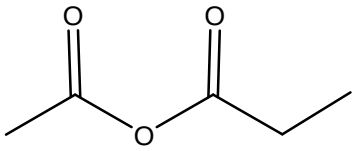
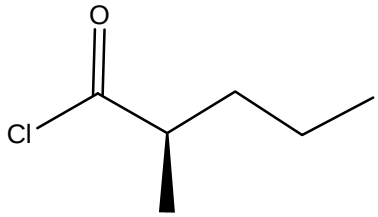
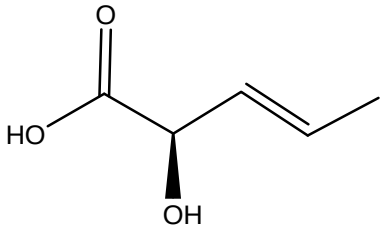
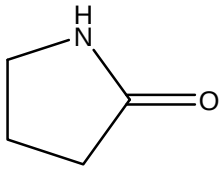
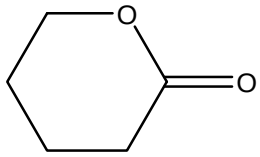
Chapter 21 Worksheet

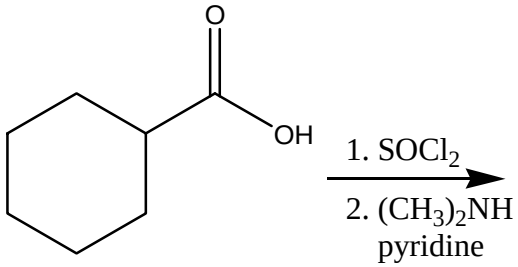
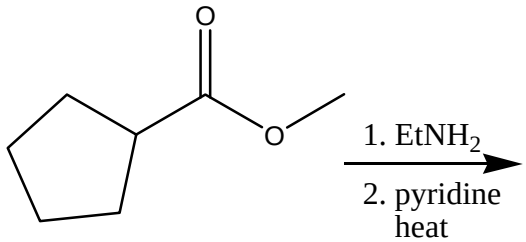
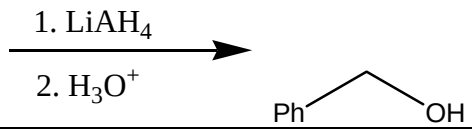
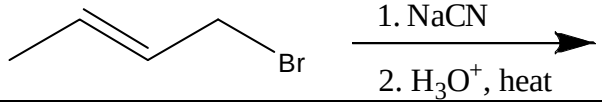
1. Name the following compounds.

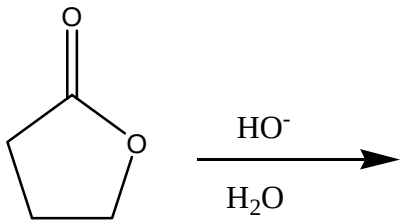
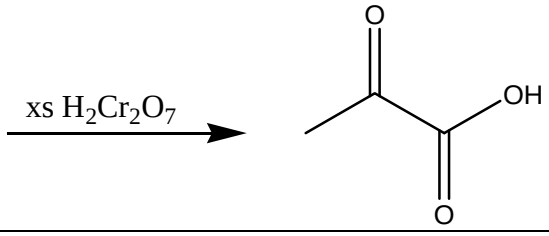
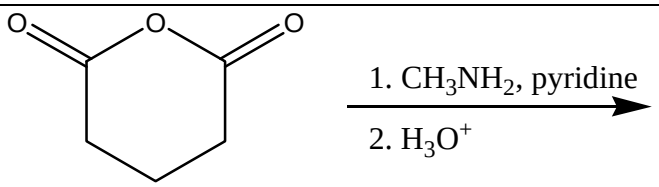
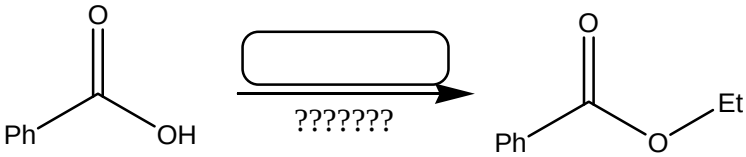
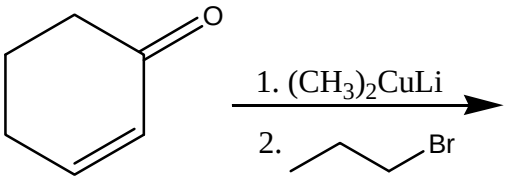
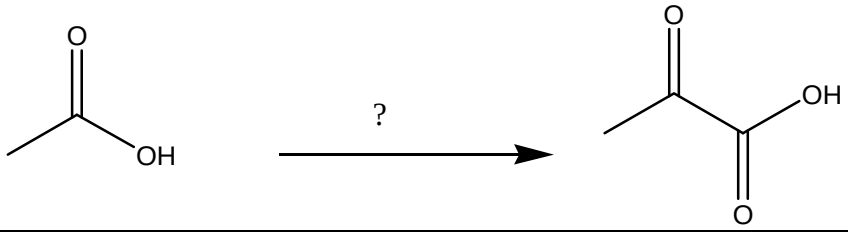
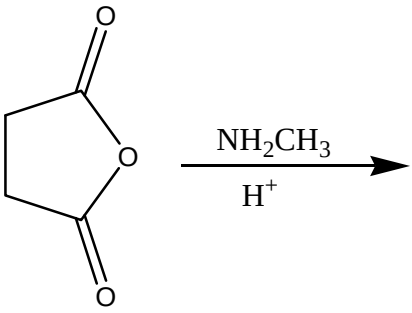
	
	
	
	

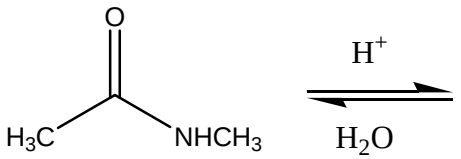
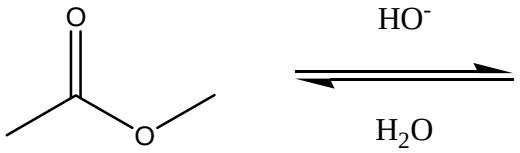
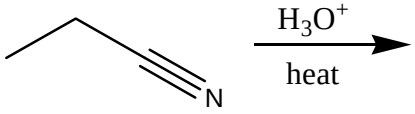
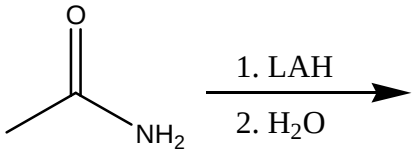
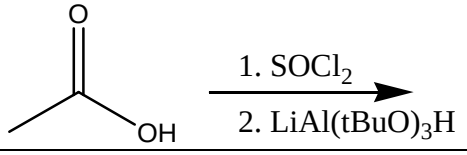
2. Draw the following compounds.

(R,E)-4-ethyl-N-methyl-3-oxohept-5-enamide
(S,Z)-isopropyl 7-amino-4-hydroxyoct-6-en-2-ynoate

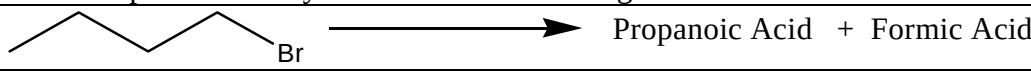
3. Fill in the missing information for the following reactions.

a.	
b.	
c.	
d.	

e.	
f.	
g.	
h.	
i.	
j.	
k.	

l.	
m.	
n.	
o.	
p.	

4. Propose a short synthesis for the following transformations.

a.	
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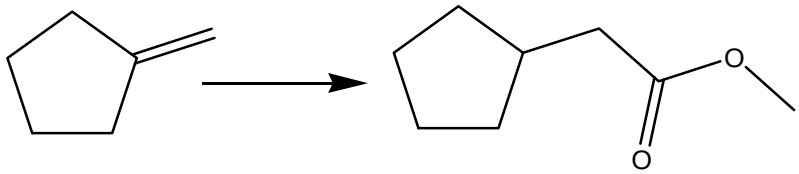
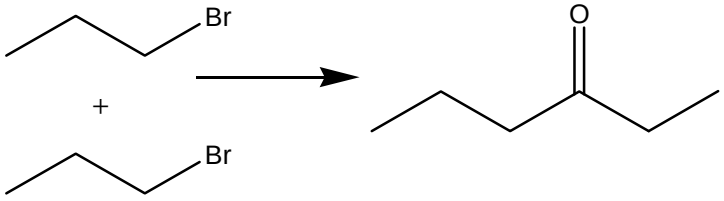
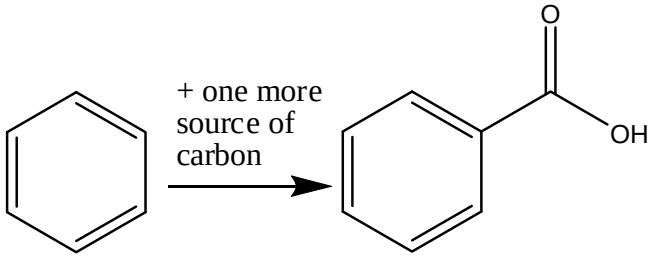
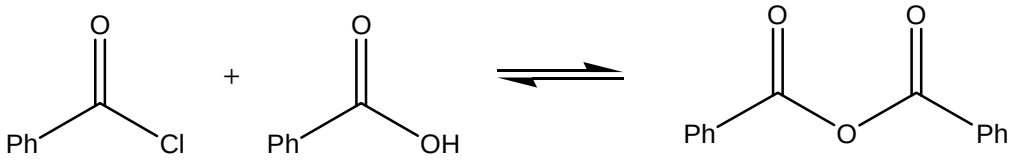
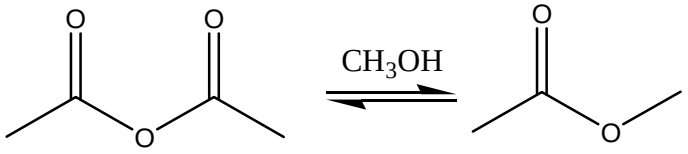
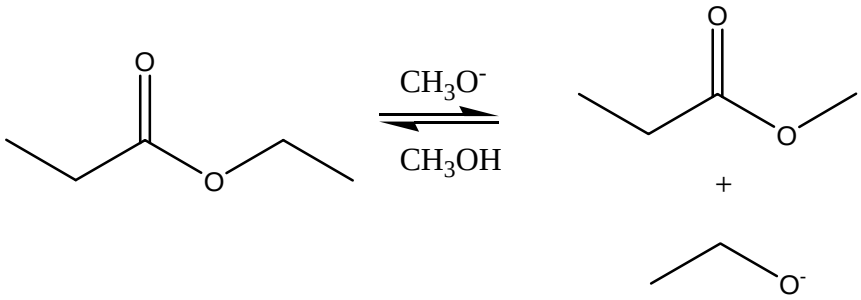
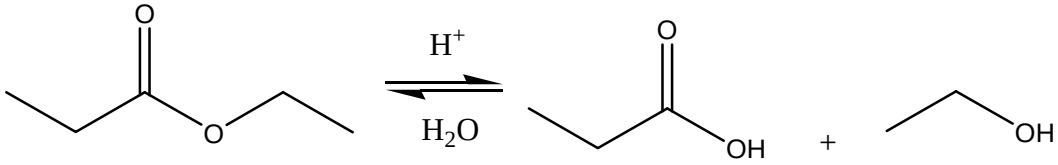
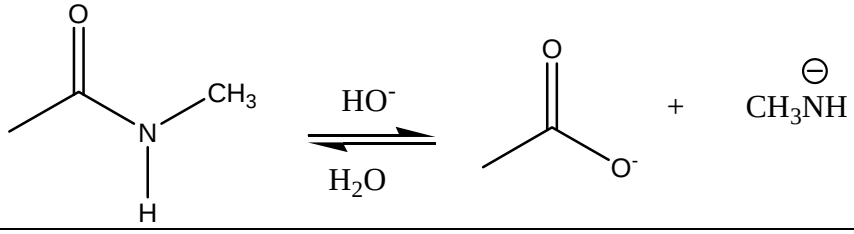
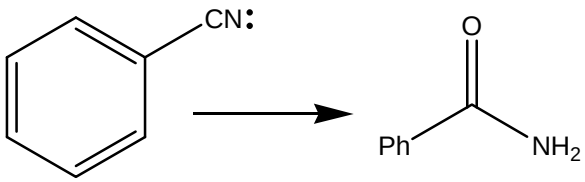
c.	
d.	
e.	

5. Write a mechanism to explain the following reactions.

a.	
b.	
c.	
d.	
e.	
f.	
g.