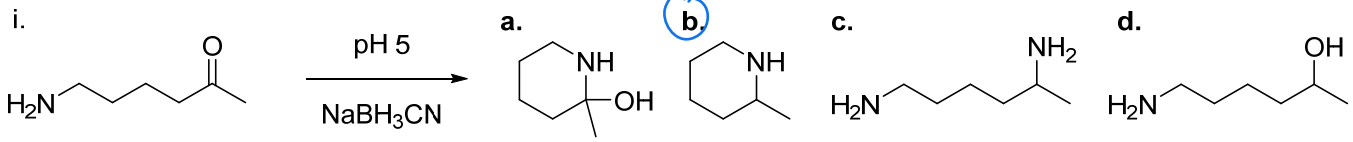
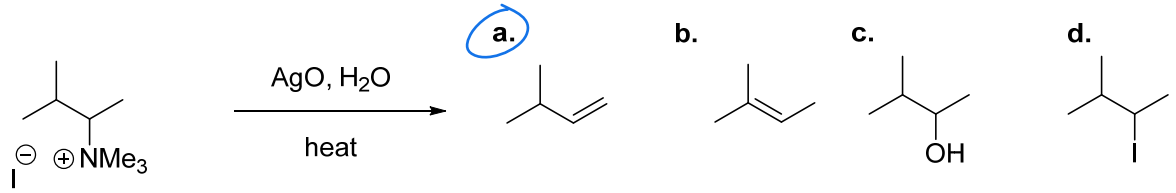
Chem 221 Quiz 10 Green

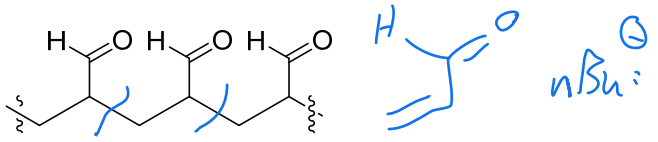
Name:_____

1. Circle the product for the following reactions. (2 points)

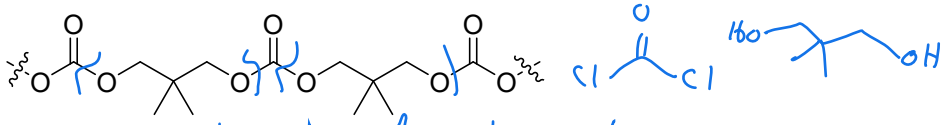
i. 

ii. 

2. Identify the **monomer unit(s)** and propose **polymerization conditions** for the following polymer. (2 points)



3. a. Identify the monomer unit(s) needed to prepare the following polymer.
   b. Will this polymer form via **chain growth** or **step growth**? Briefly explain your choice. (2 points)



step growth - both ends of polymer have reactive functional group (acid chloride/alcohol)

4. Provide a mechanism for the following transformation. (4 points)