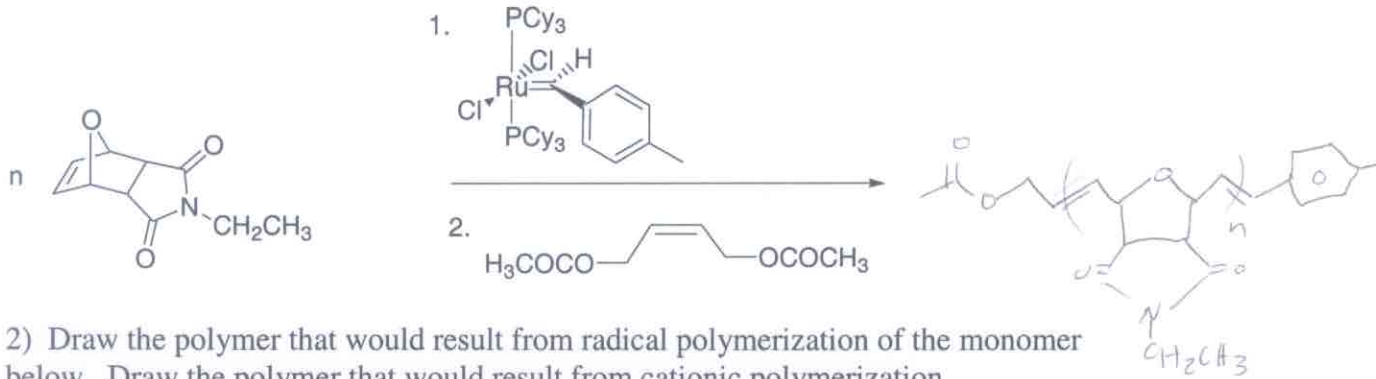


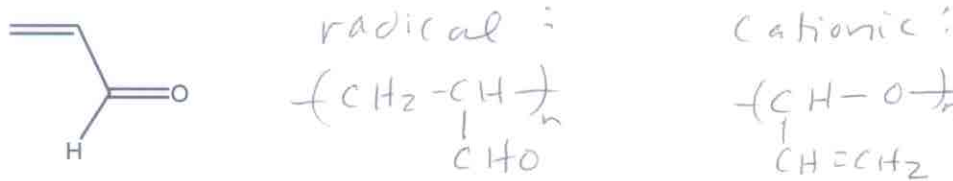
Chem 30C, Fall 2005
Problem Set #3

Solution

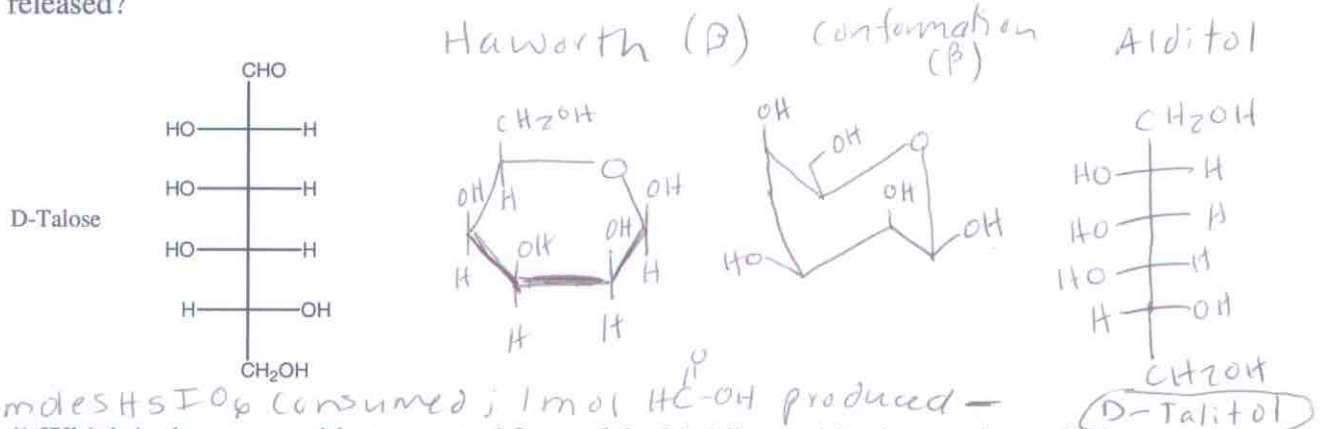
1) Draw the product of the reaction below. Be sure to indicate the end groups.



2) Draw the polymer that would result from radical polymerization of the monomer below. Draw the polymer that would result from cationic polymerization.



3) Draw the Haworth and conformation projection for the pyranose of D-Talose. Draw and name the alditol. If the methyl glycoside was subjected to periodic acid, how many moles of H_5IO_6 would be consumed and how many moles of formic acid would be released?



4) Which is the more stable protonated form of the histidine residue in proteins and why.

