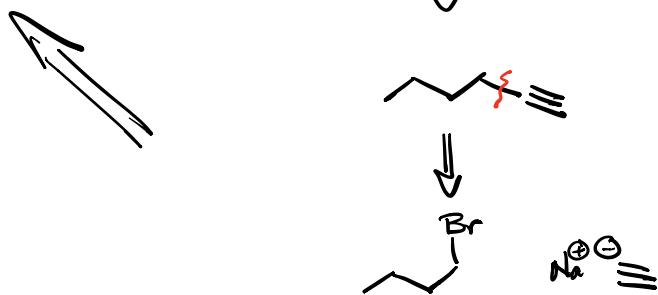
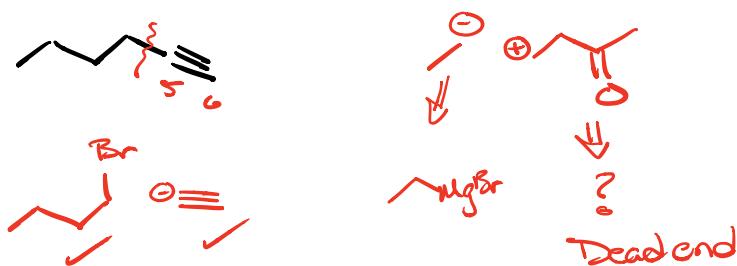
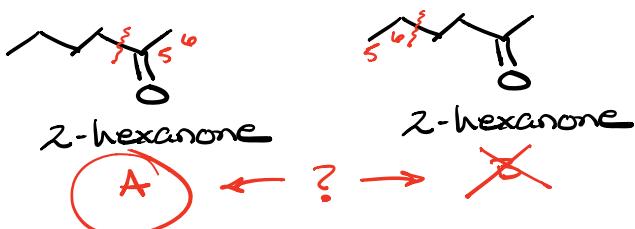


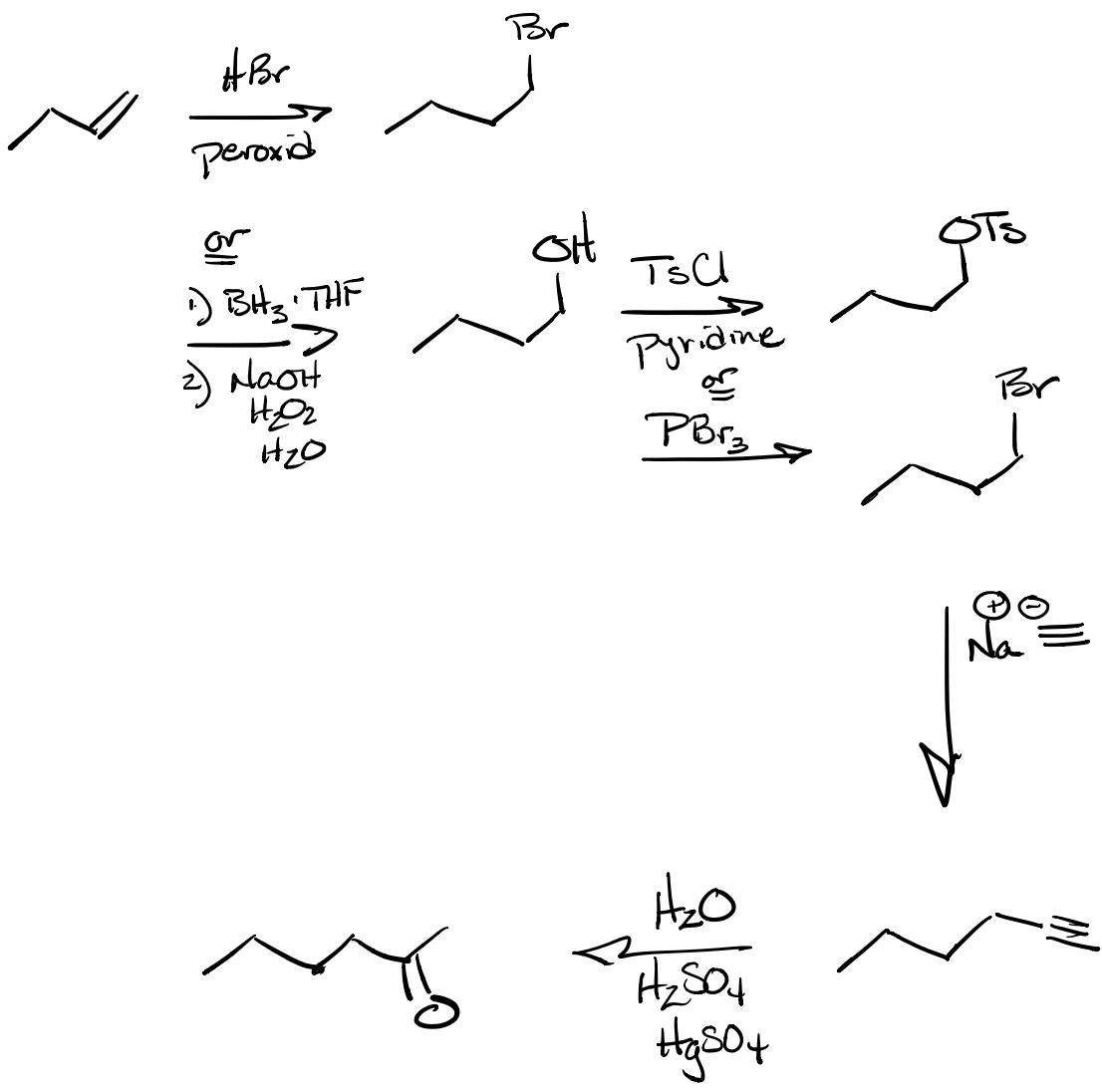
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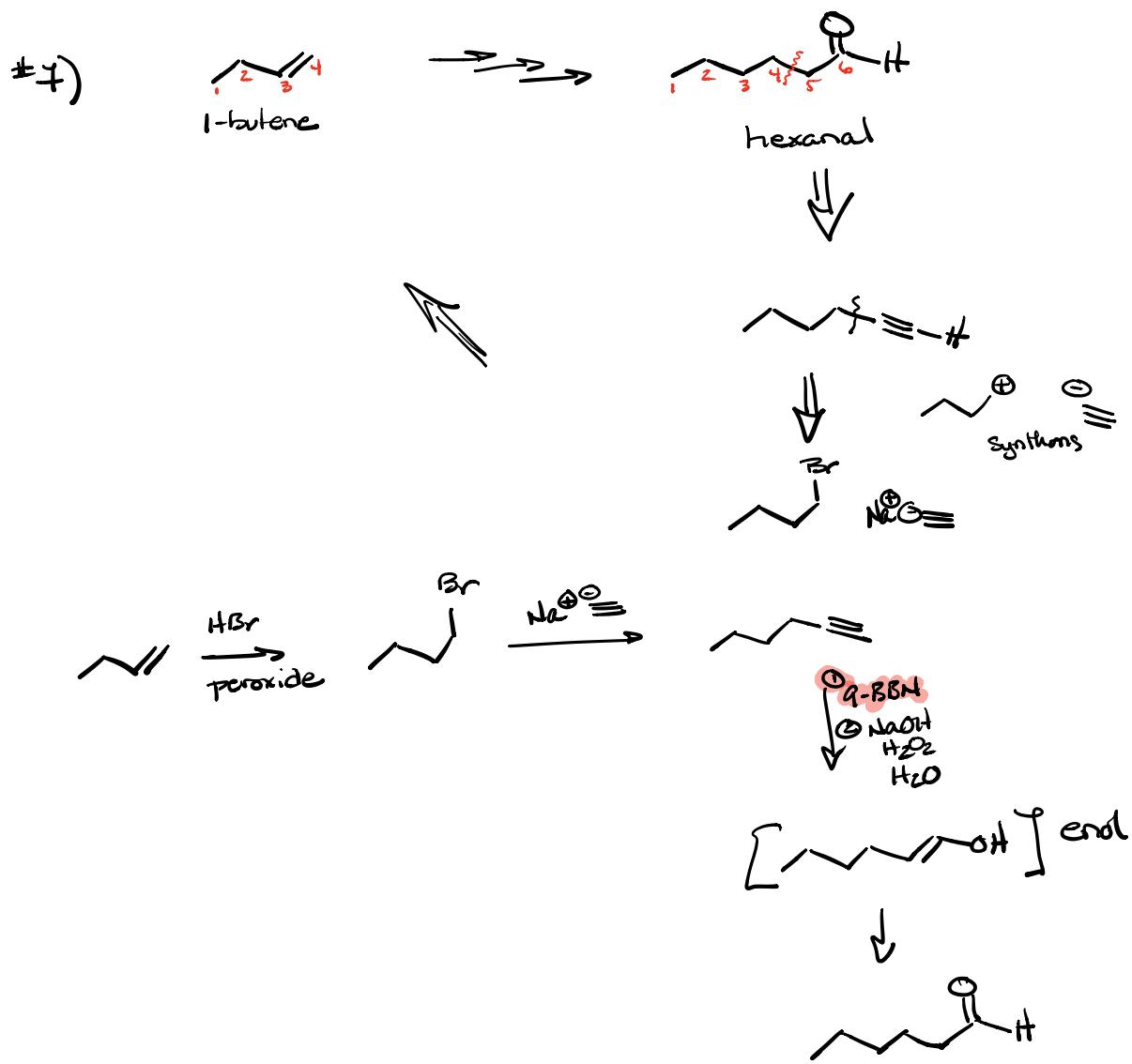


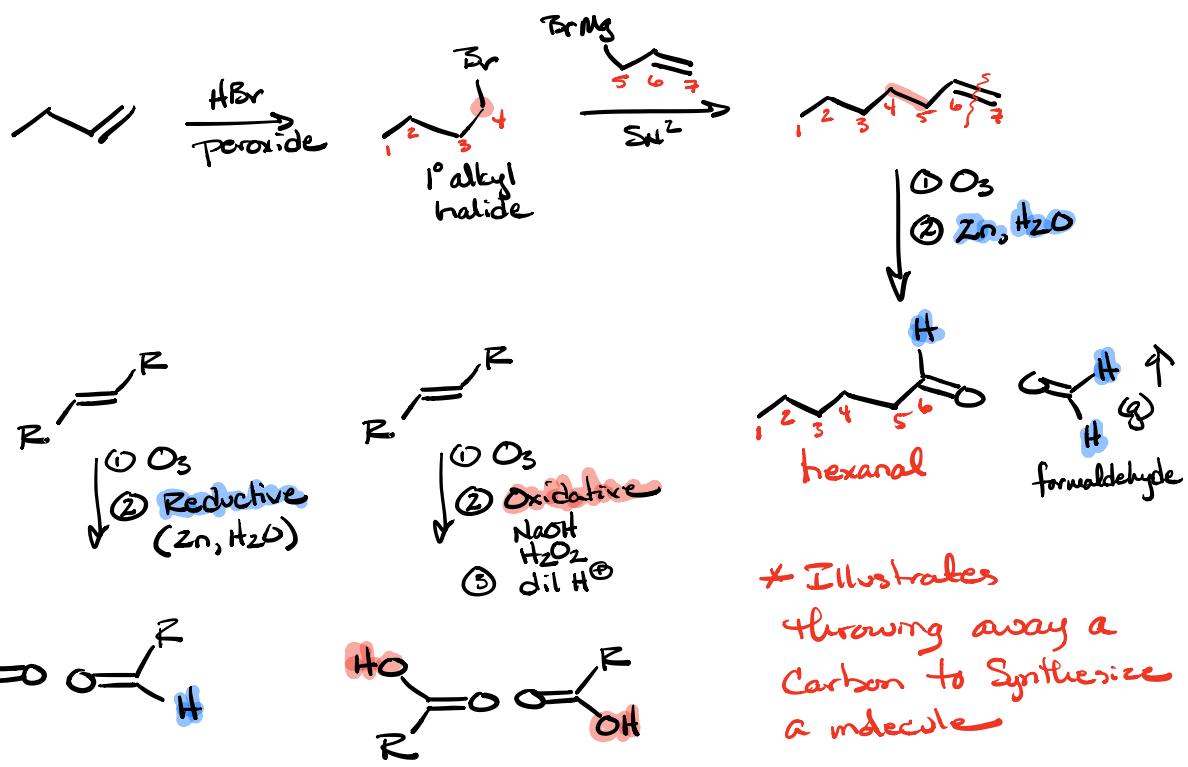
1st # Carbons
"Mapping"
 \Rightarrow Look for
a handle

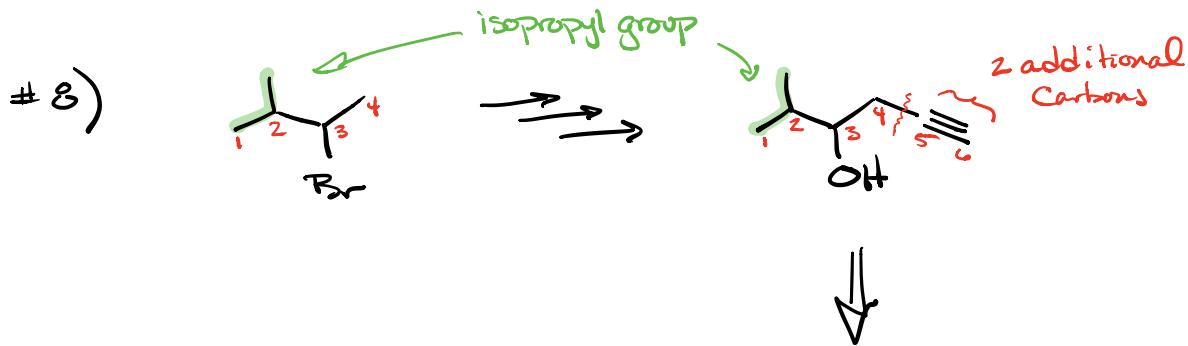
options 2-Additional Carbons



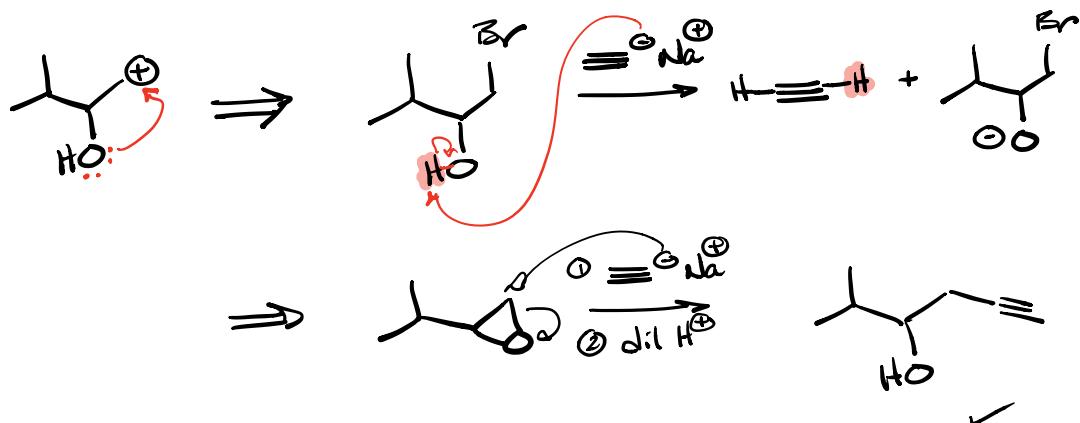
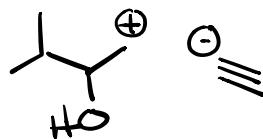




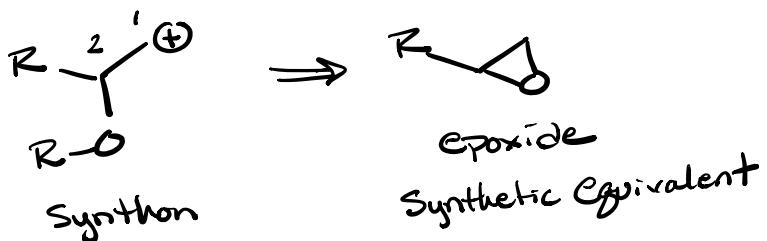


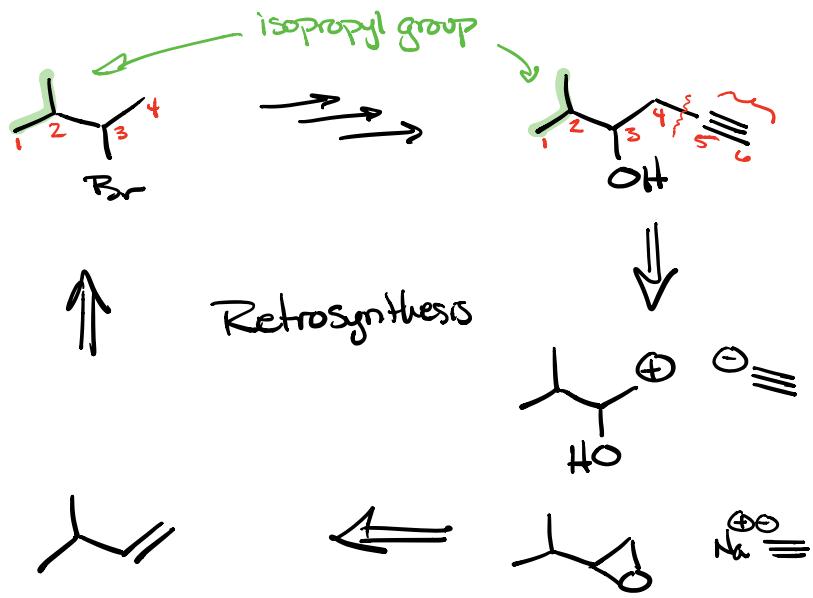


Possible Synthetic Equivalents

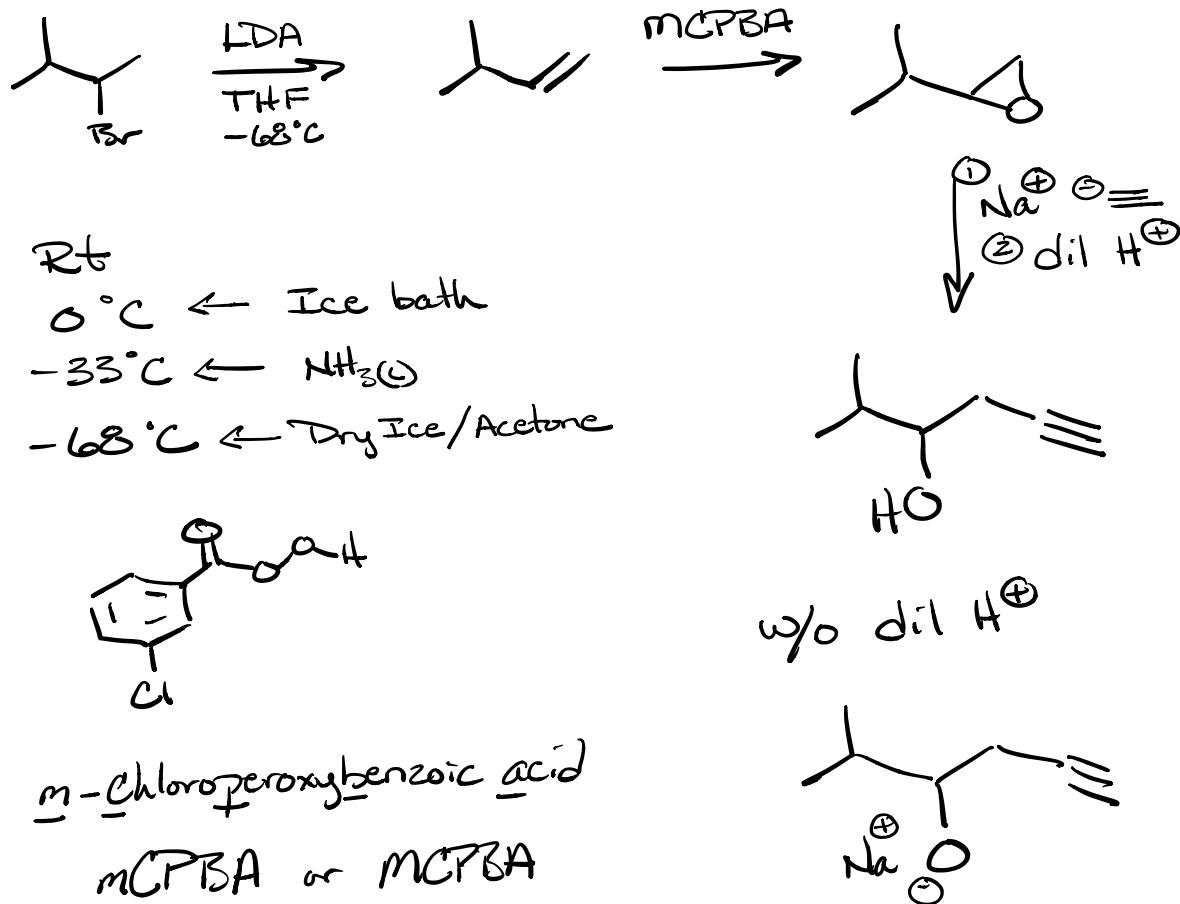


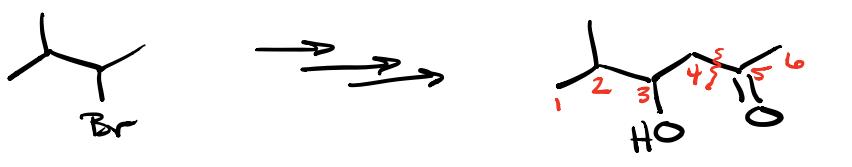
Pattern Recognition





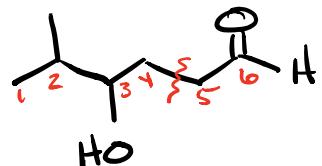
Forward



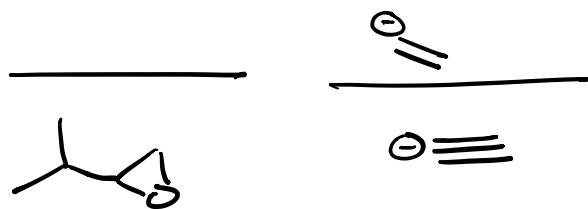
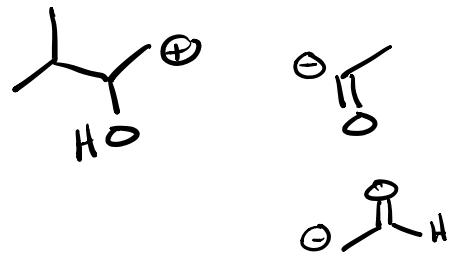
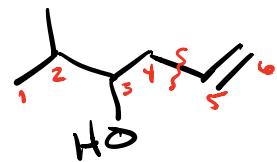


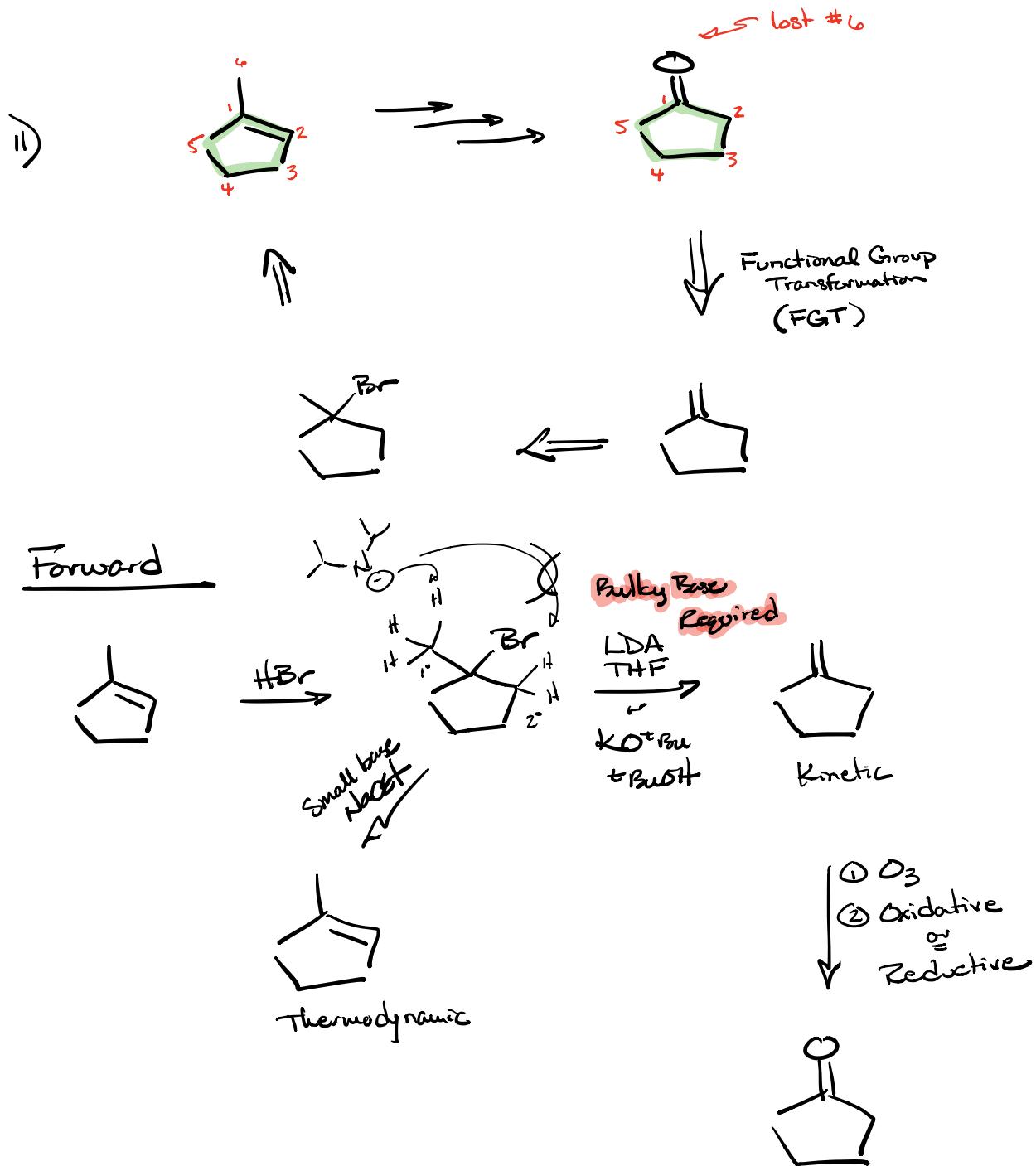
or

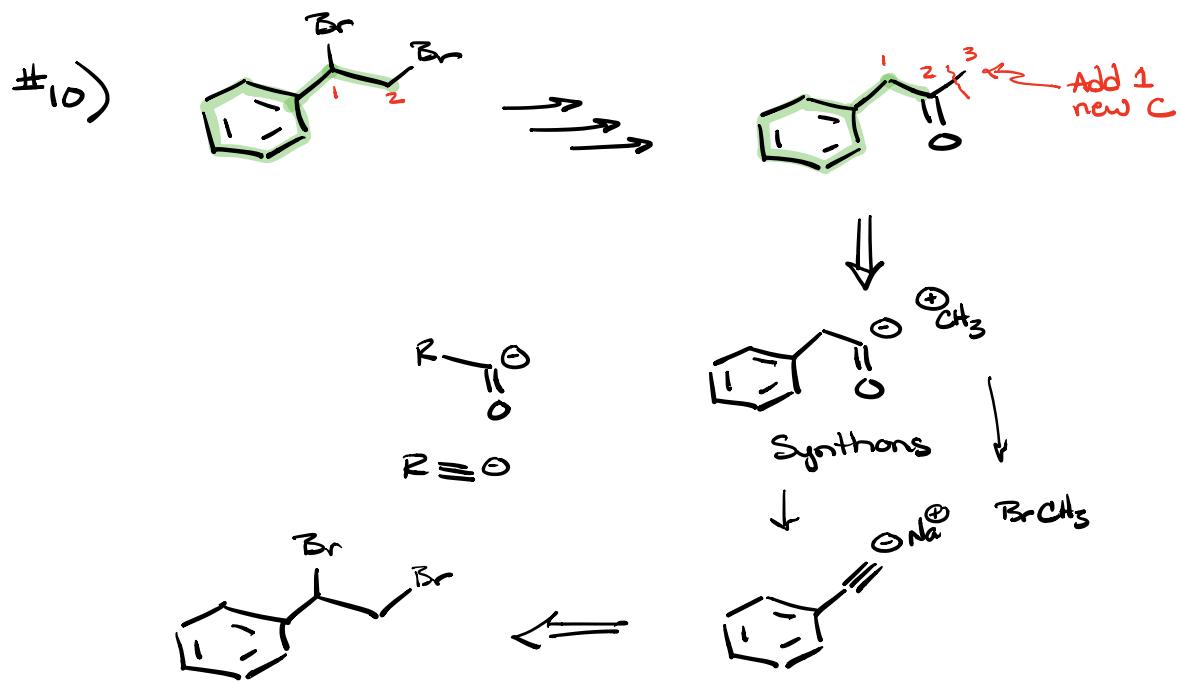
All split between
4 & 5



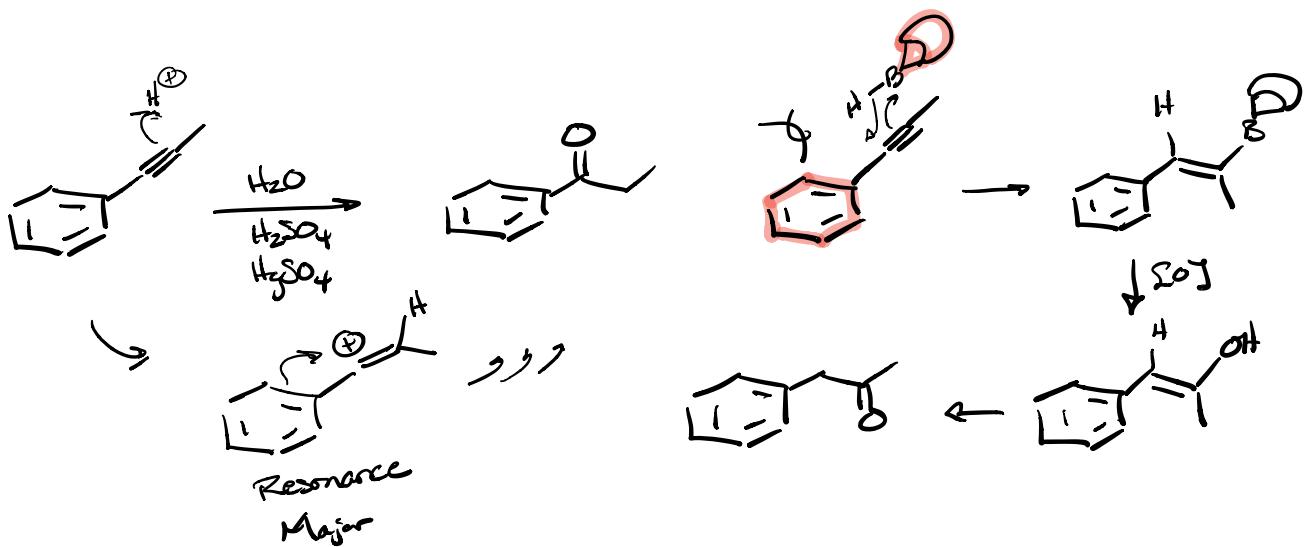
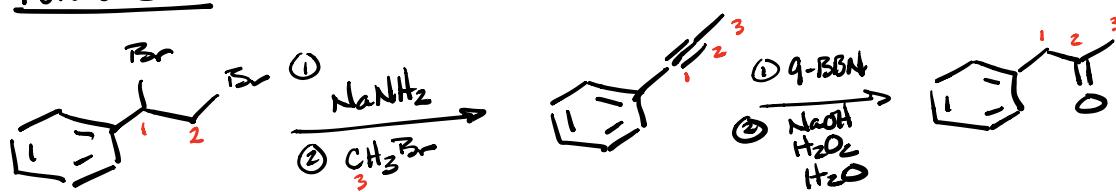
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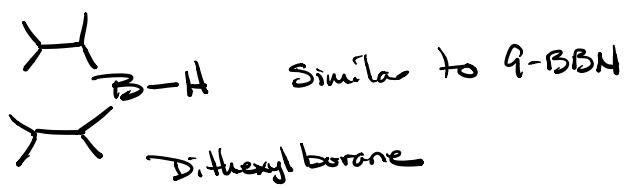




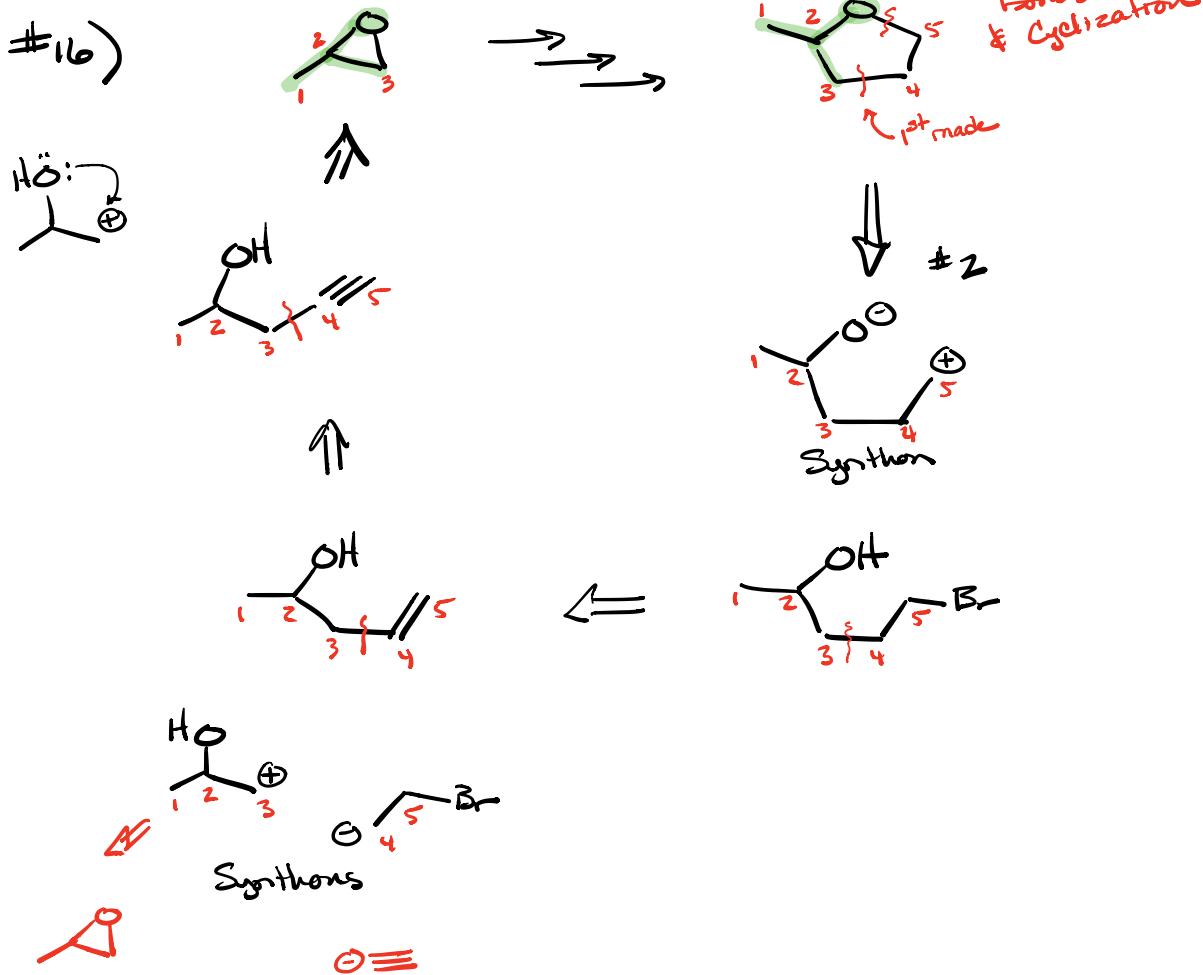


Forward

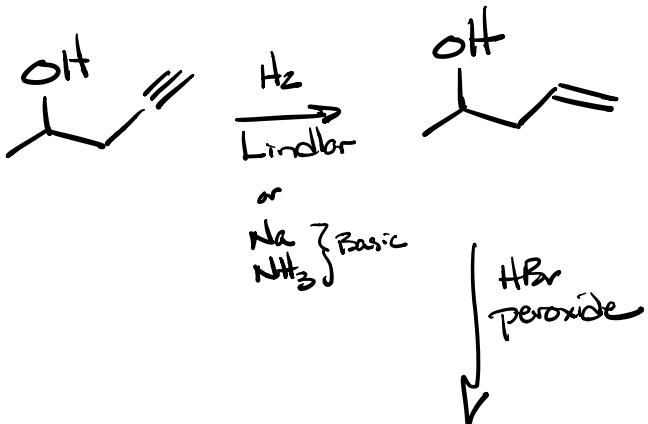
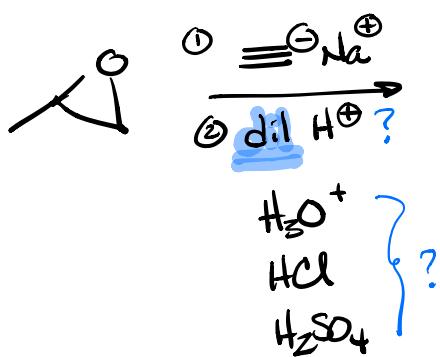




#16)



Forward

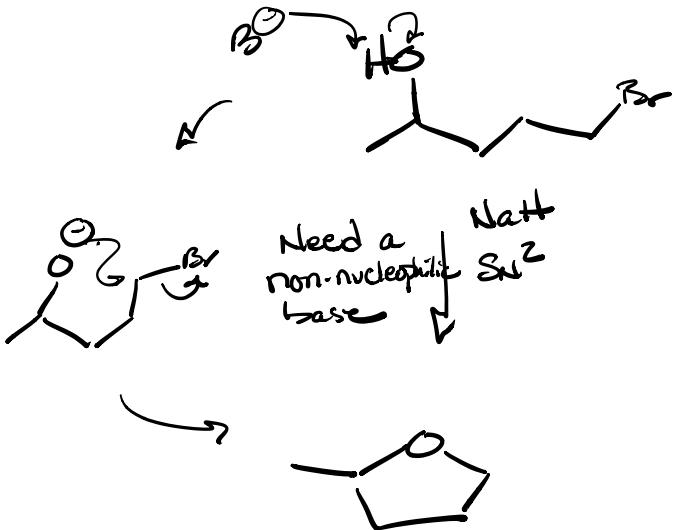
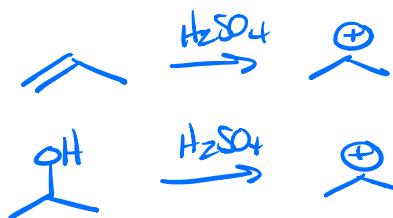


dil H^+ = 1 or 2 M HCl

For protonation
weak mild conditions

H_3O^+ or HCl or H_2SO_4
often w/ Conc.

Strong acid



Non-nucleophilic bases
* NaH

