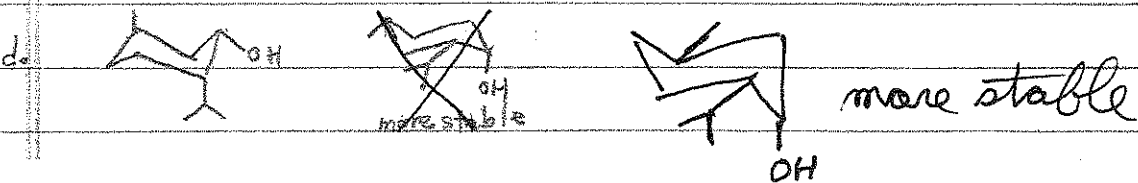
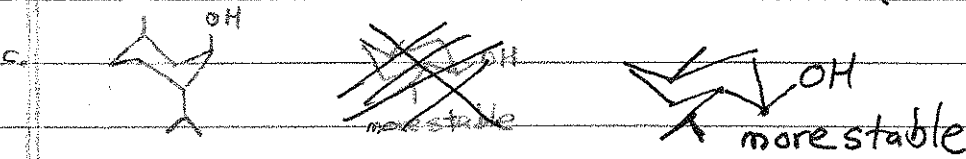
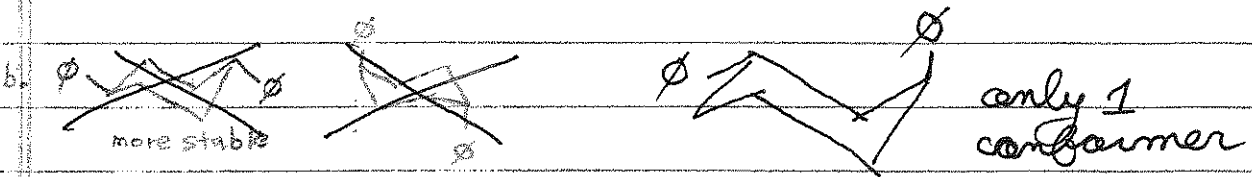
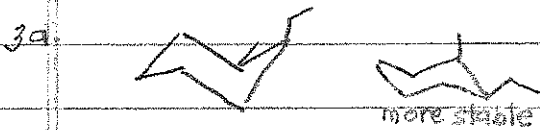
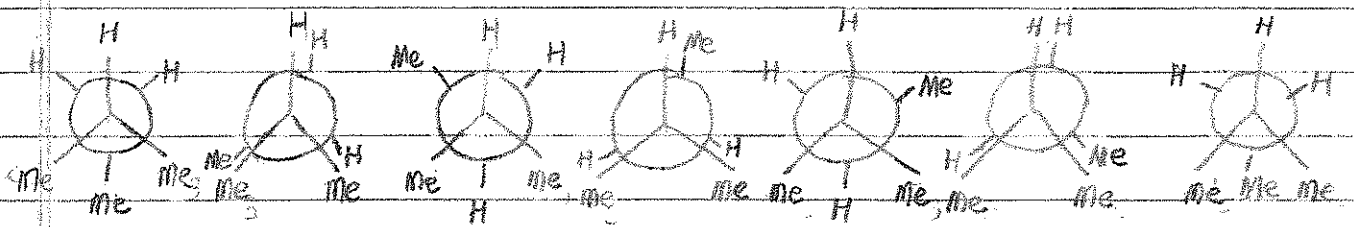
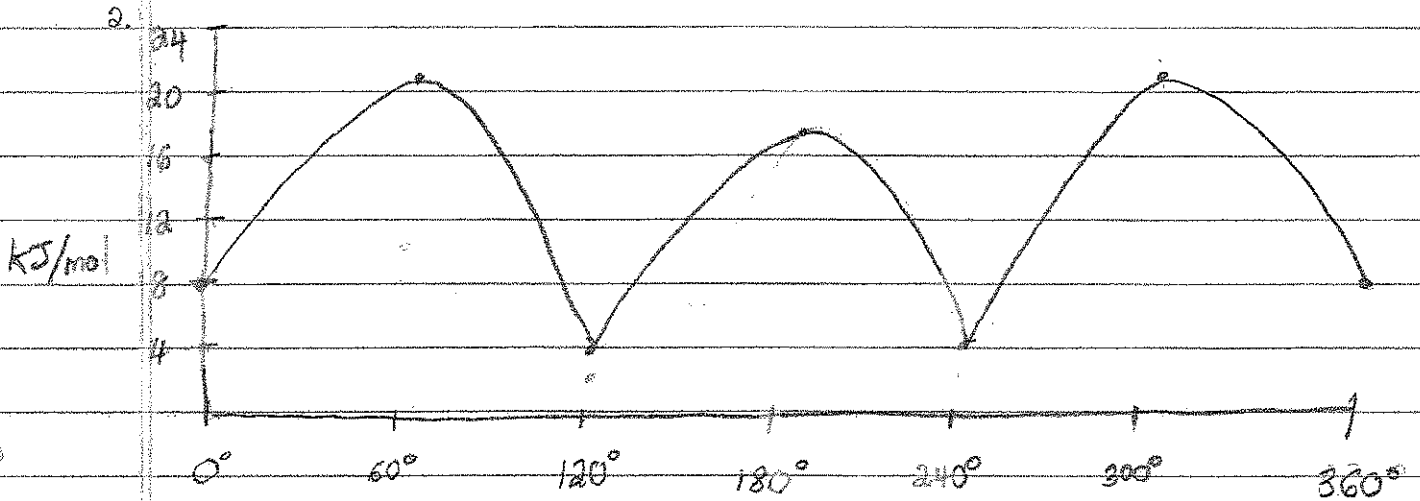
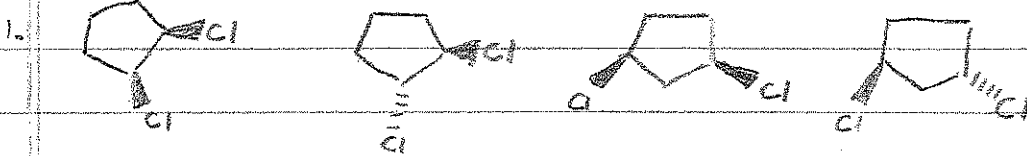


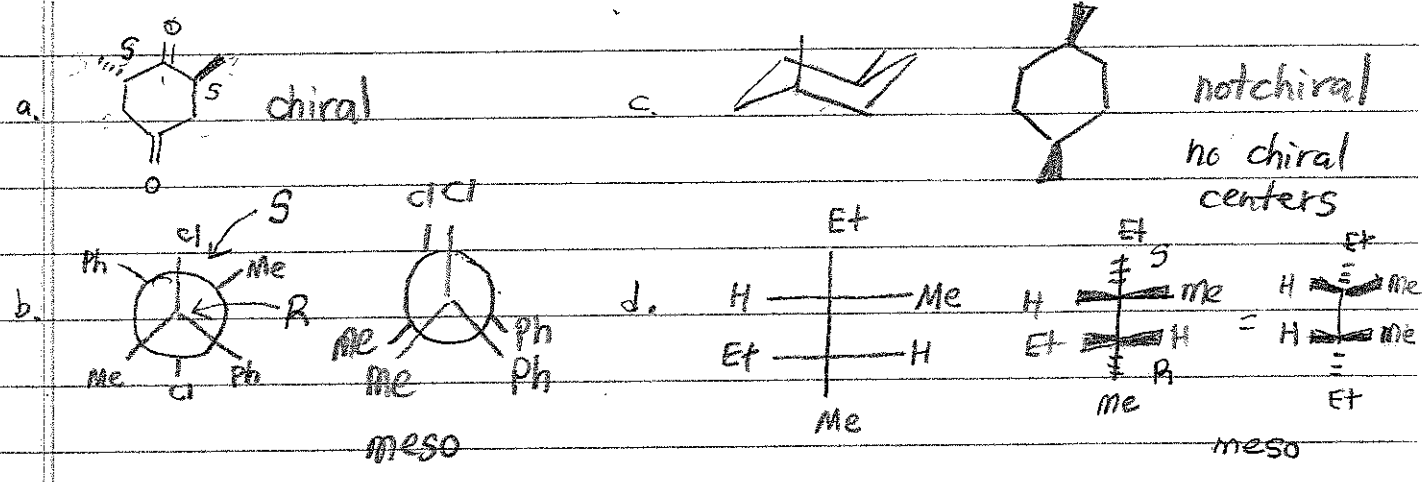
Chapter 2. Conformations, Advanced Practice, Key



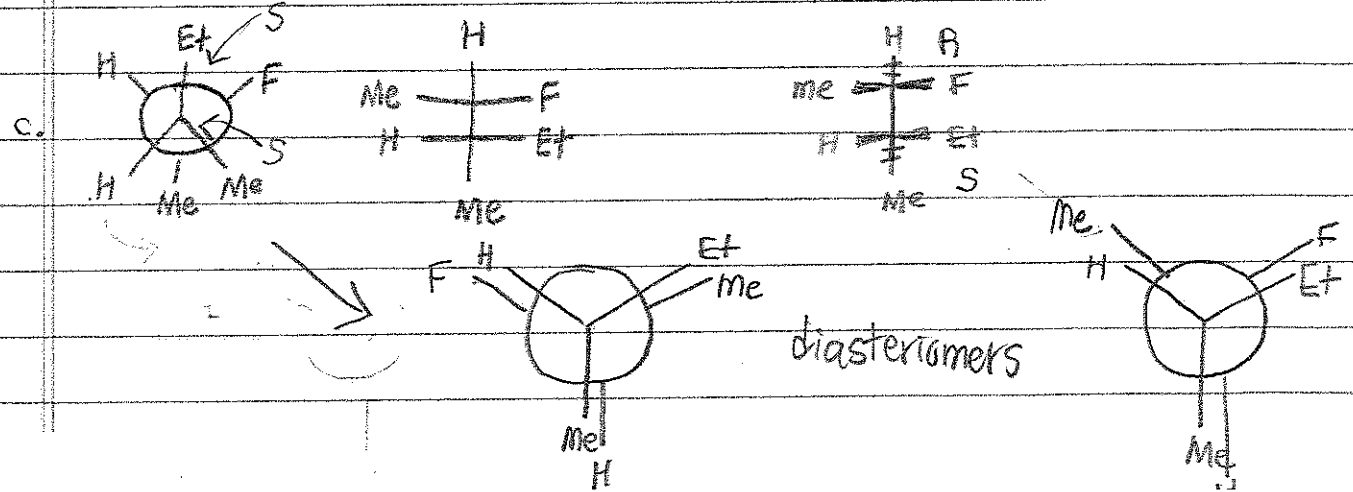
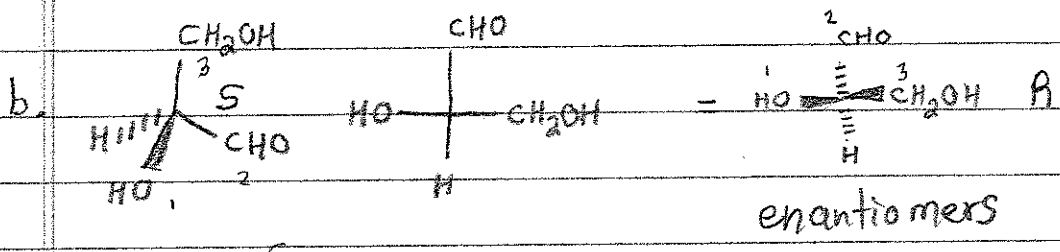
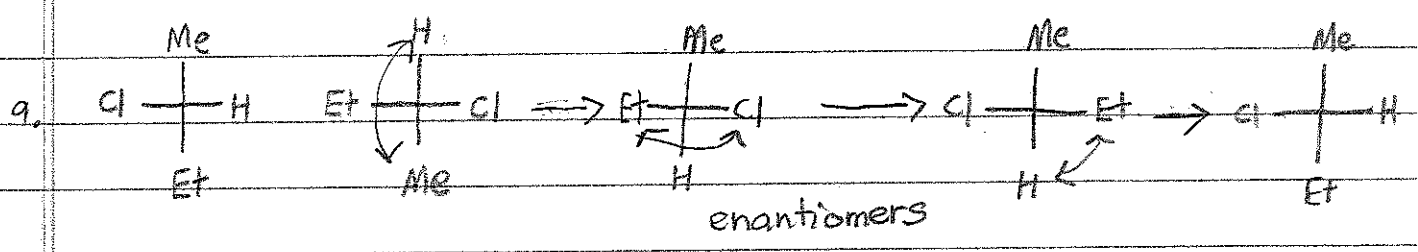
Chapter 3. Stereochem. Advanced Practice, key

1. Determine the R or S configuration of each chiral center below.

Is the overall molecule chiral?

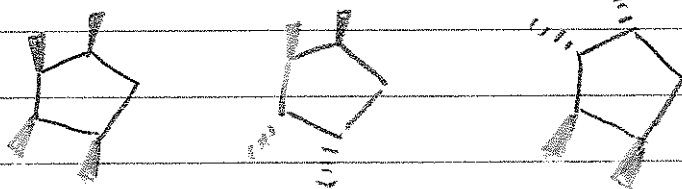


2. What is the relationship between the following pairs of molecules?



Chapter 6. Alkenes. Advanced Practice. Key

19.



achiral

enantiomers

b.



XXXXXXXX  
XXXXXXXX  
XXXXXX  
XXXXXX

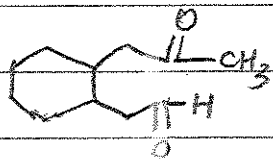
diastereomers

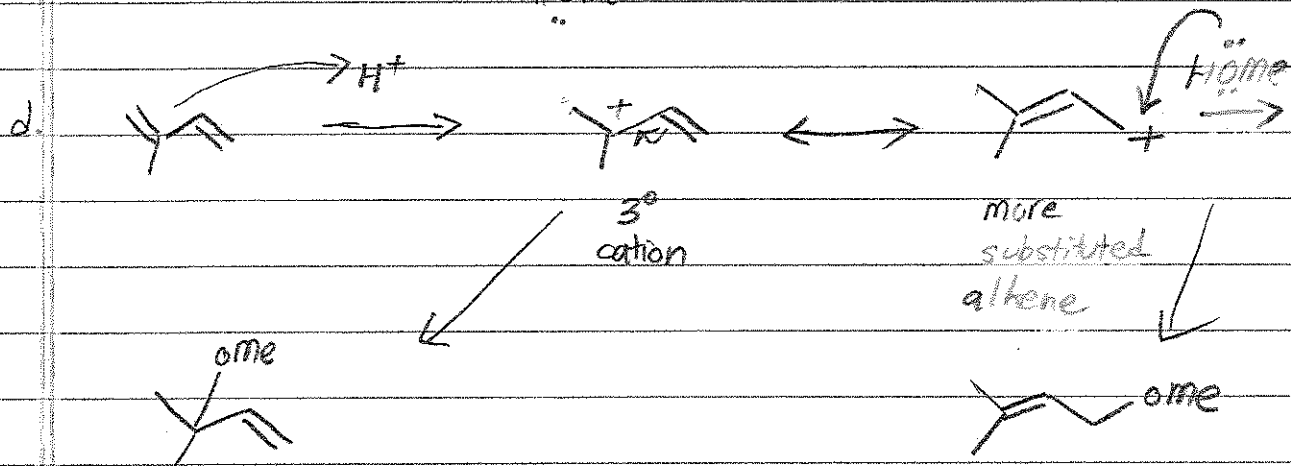
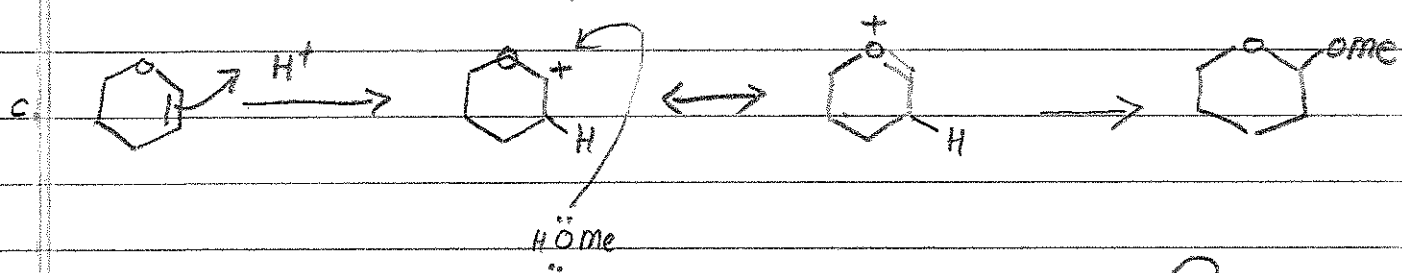
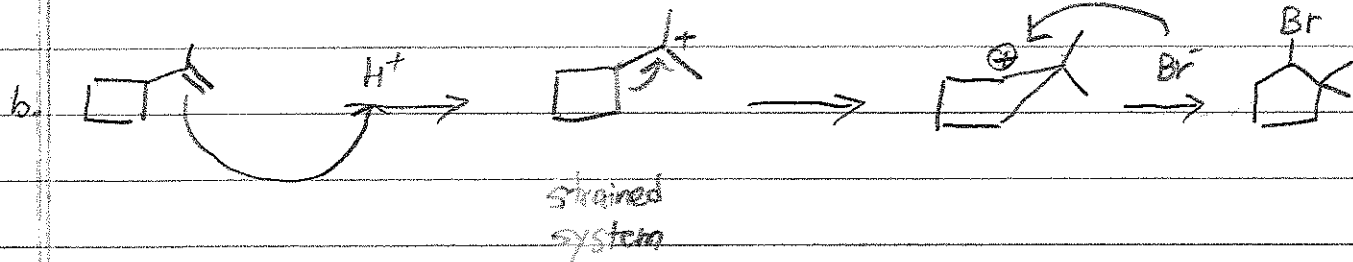
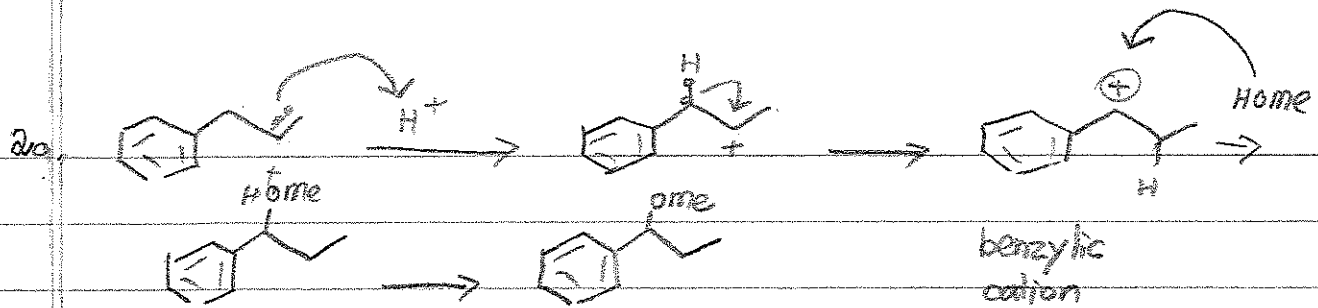
c.



diastereomers

d.

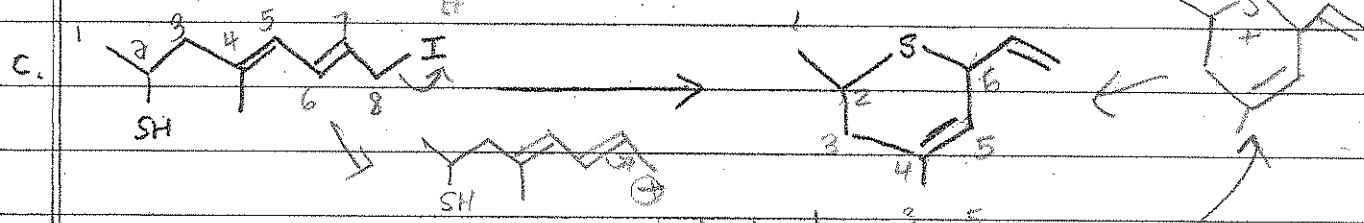
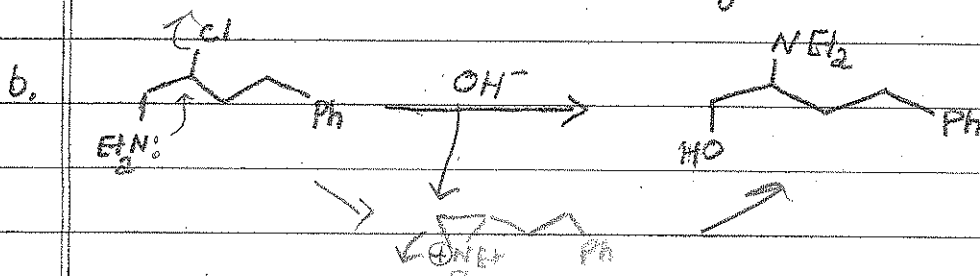
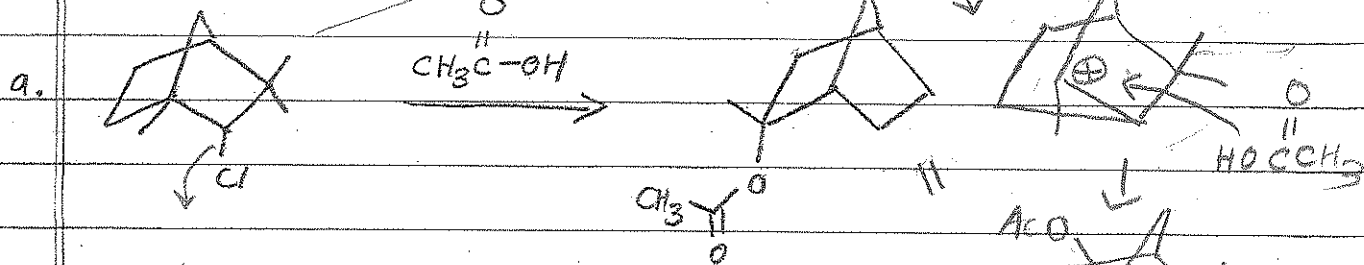




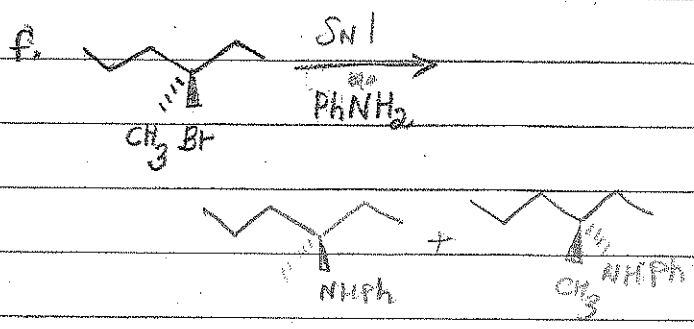
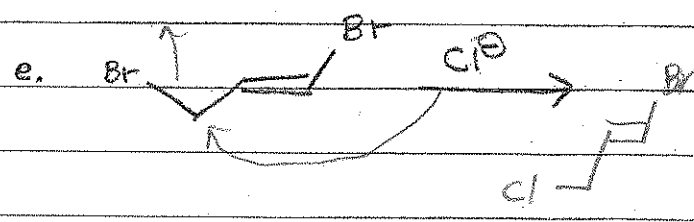
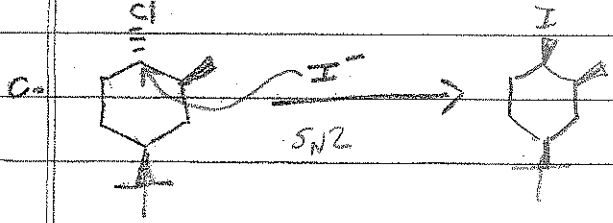
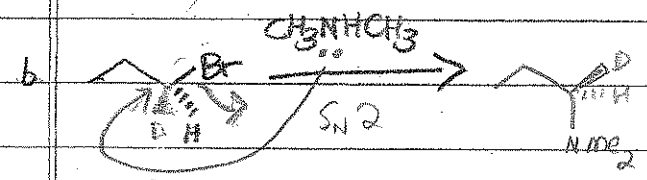
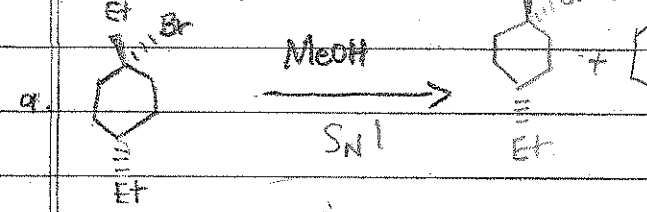
this product can form too

S<sub>N</sub>2 & S<sub>N</sub>1 Problem Set

1. Give the mechanism:

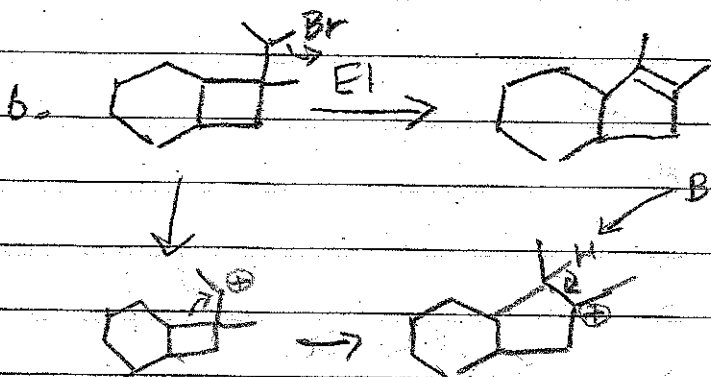
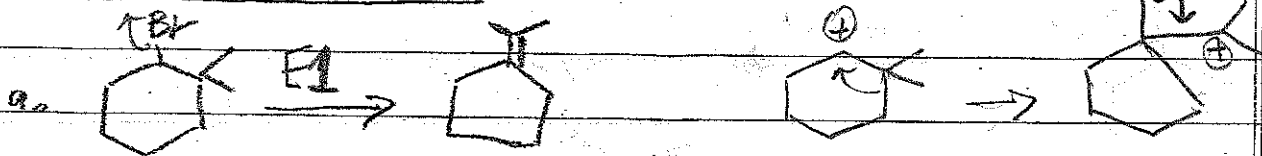


2. Give the product:

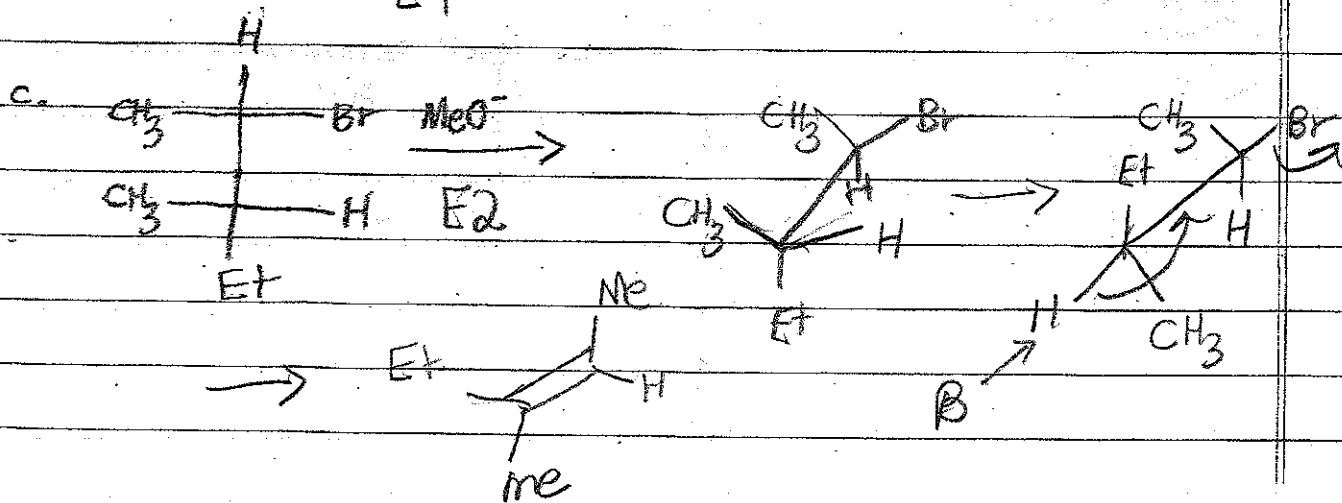
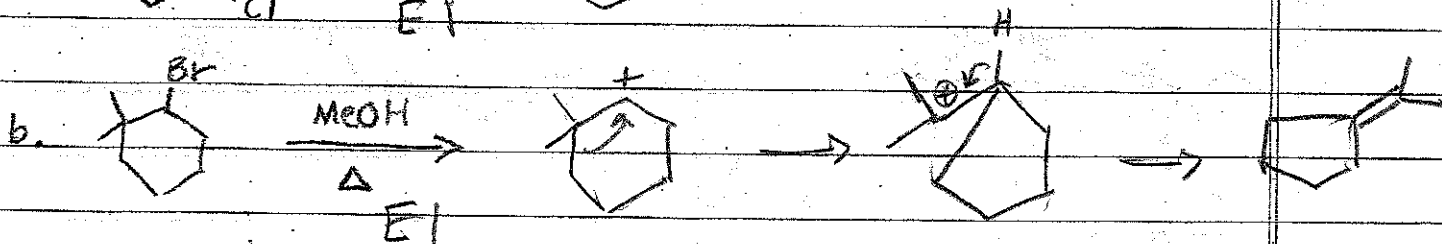
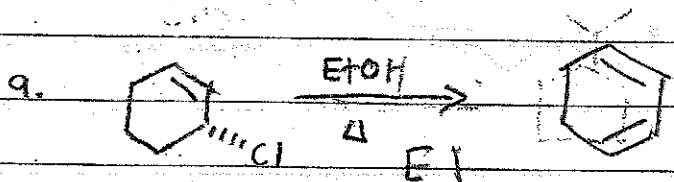


### E1 + E2 Problem Set

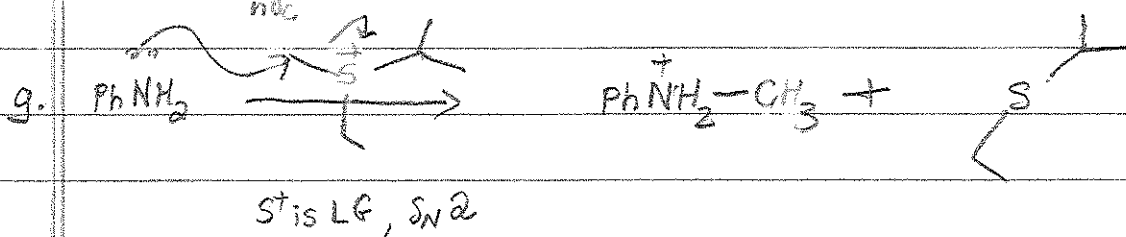
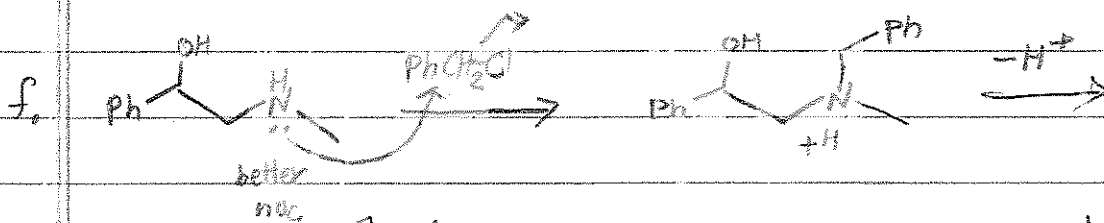
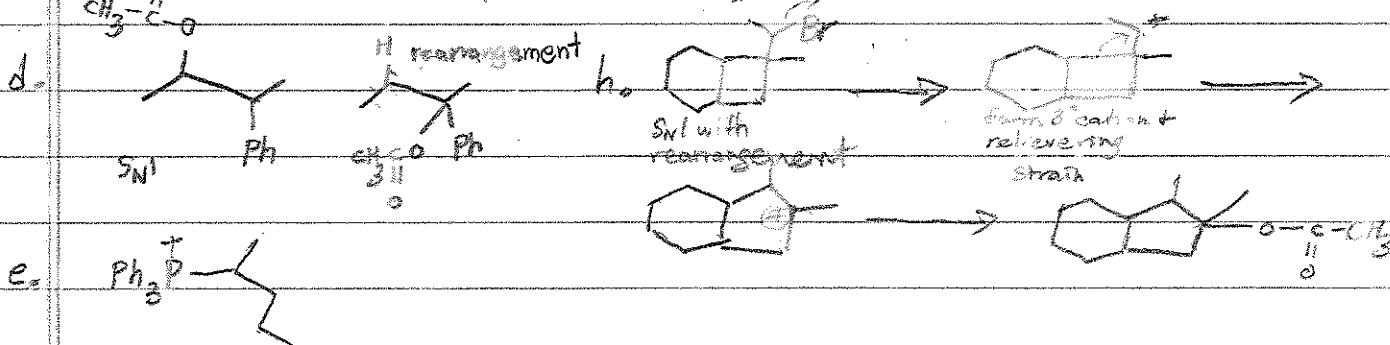
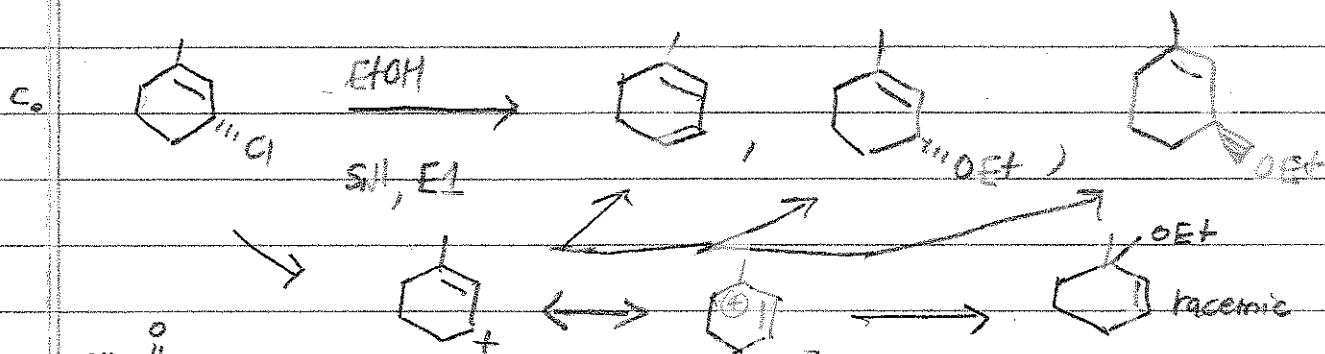
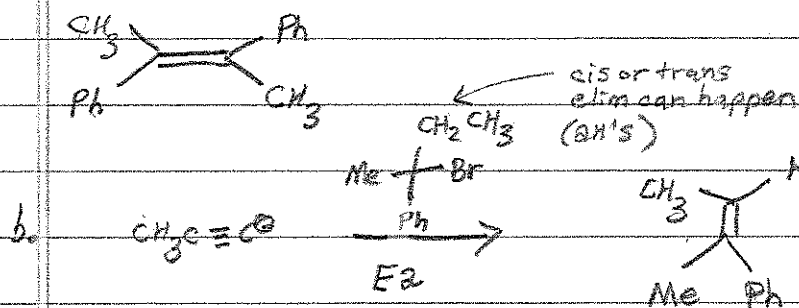
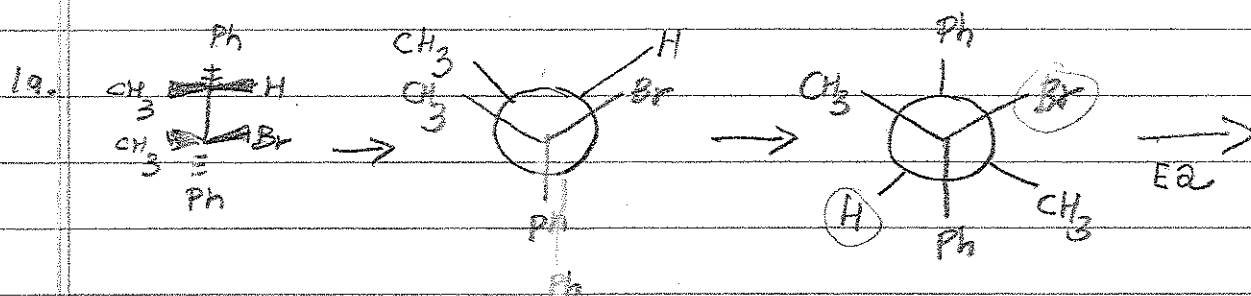
3. Give the mechanism:



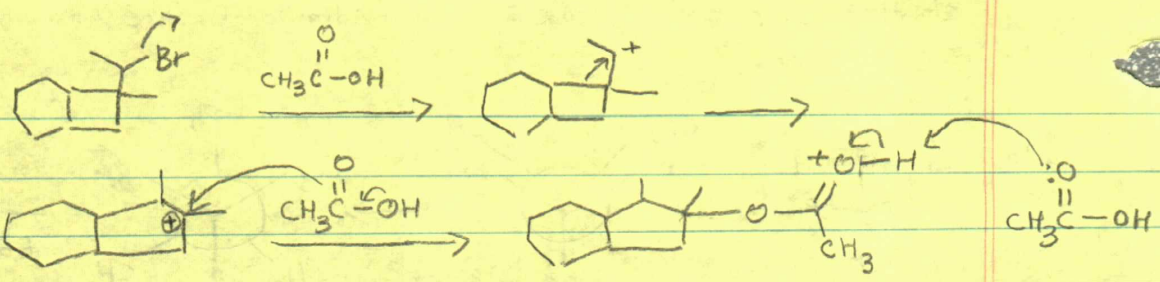
4. Give the products:



Chapter 9. Substitution Versus Elimination Advanced Practice, Answer Key

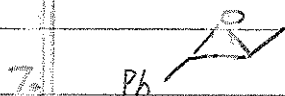
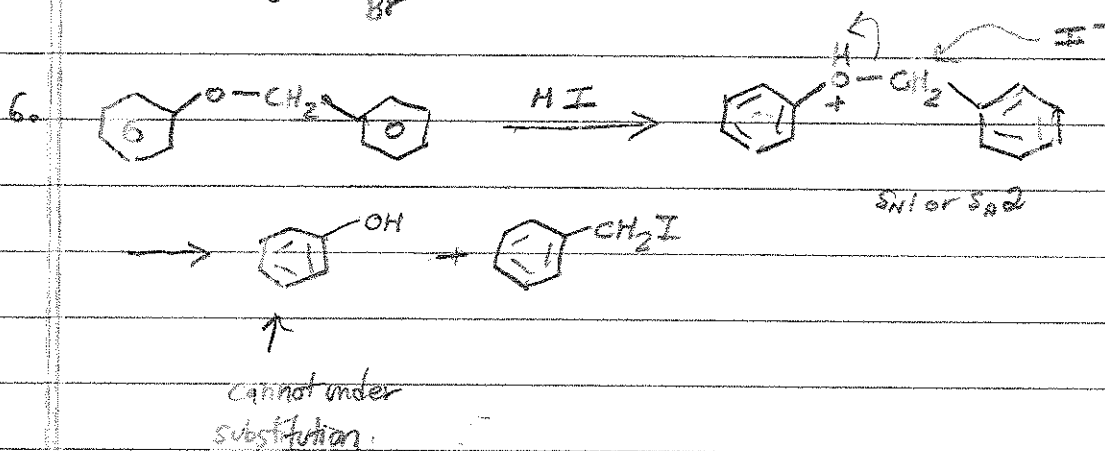
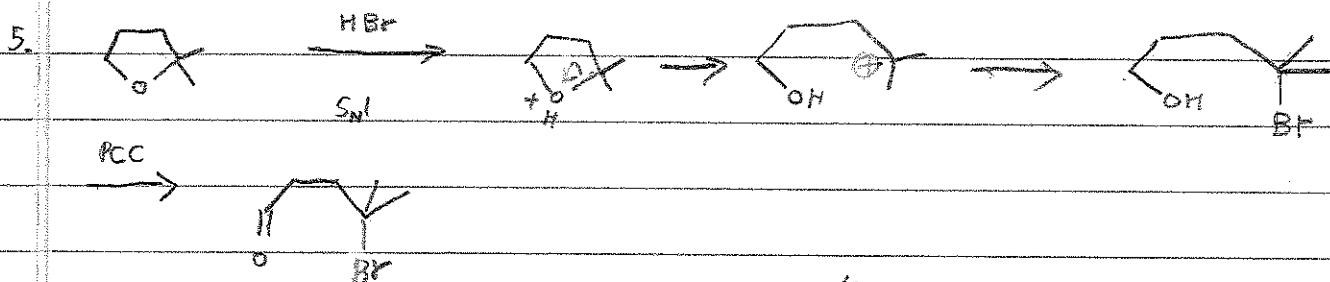
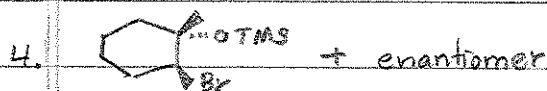
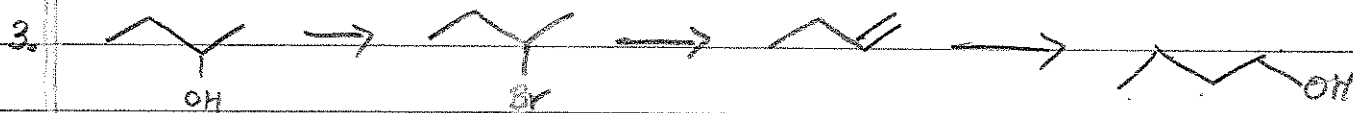
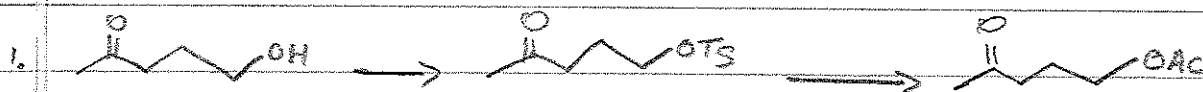


h.

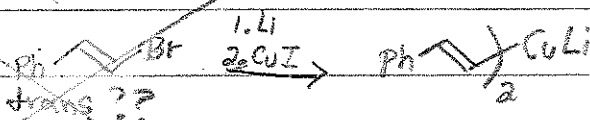
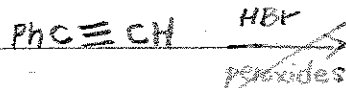
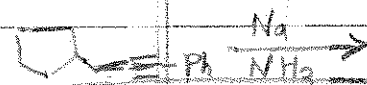
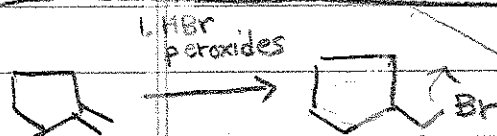





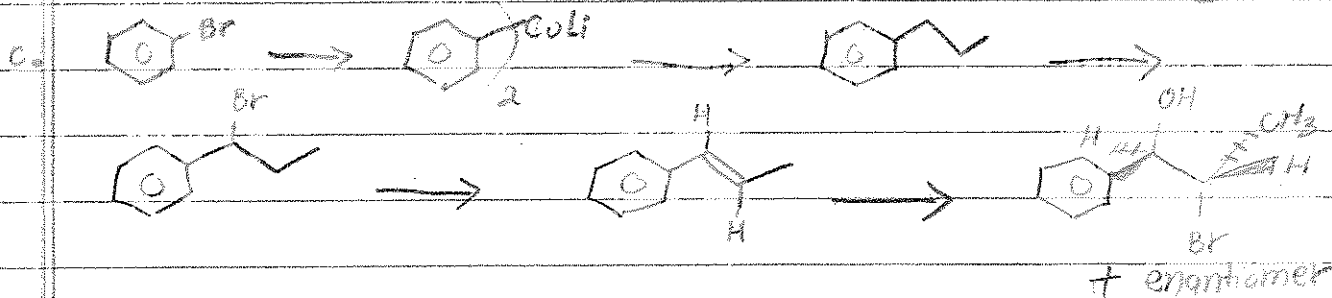
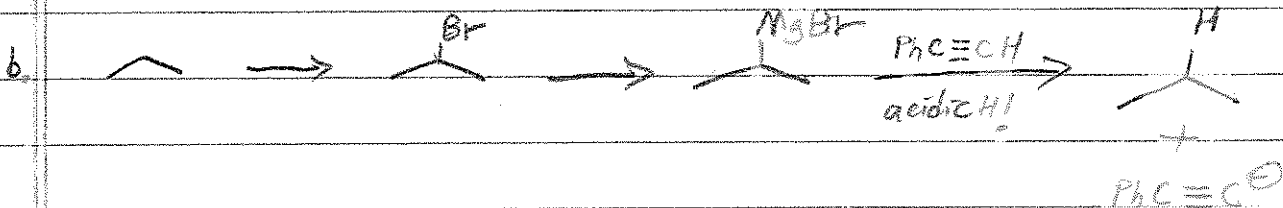
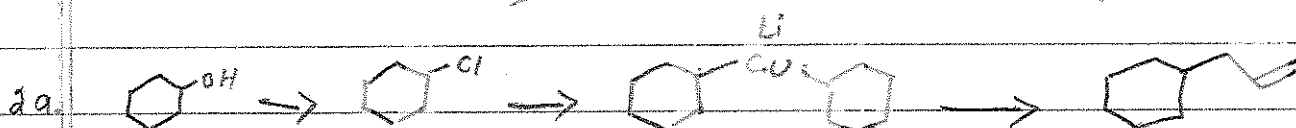
Chapters 10 + 11, Alcohols + Ethers Advanced Practice, Answer key



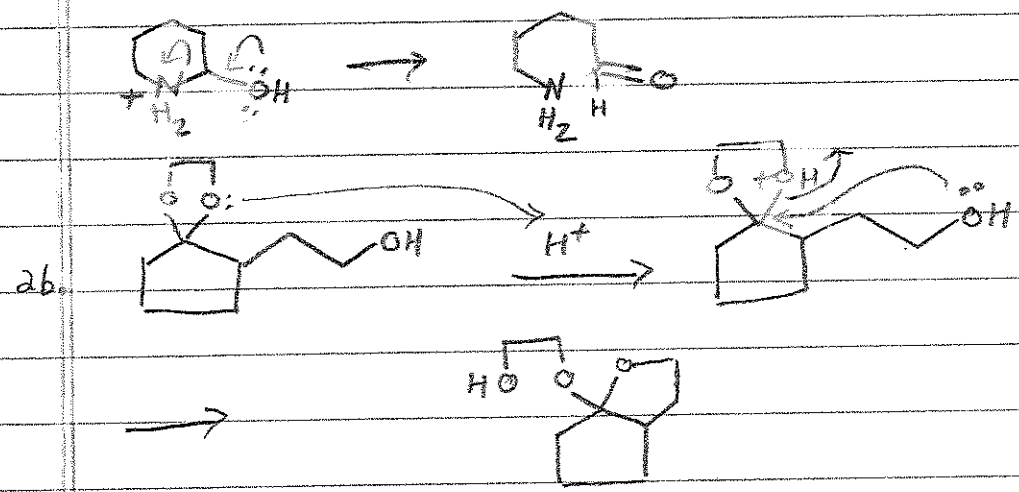
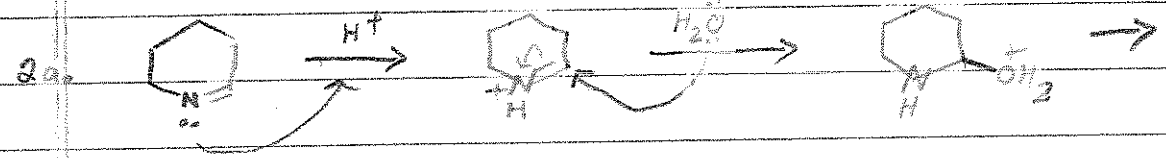
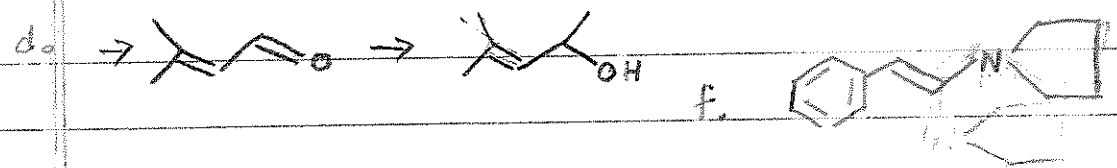
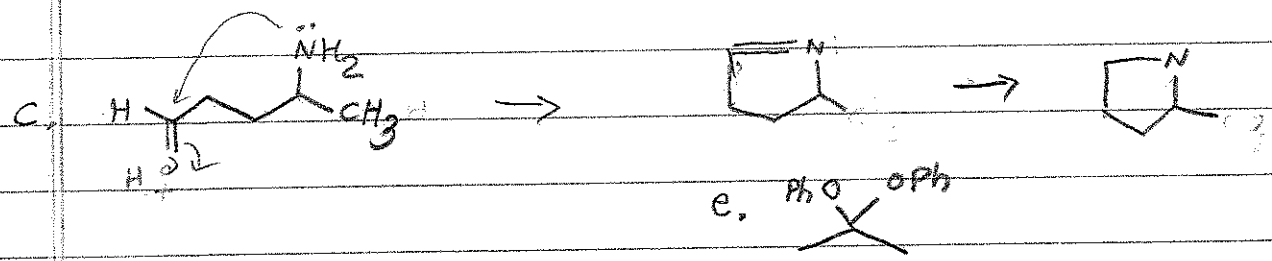
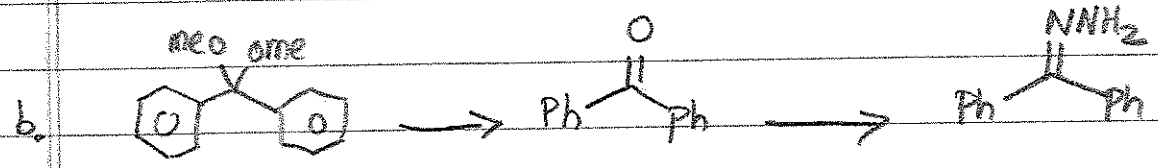
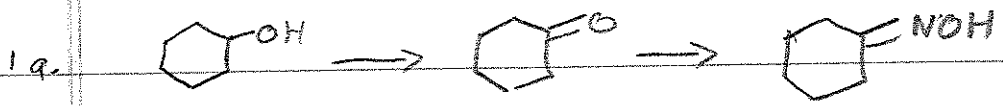
Chapter 15. Organometallics & Synthesis Advanced Practice. Answer key



(better not to use  - ideally gillman should be 1°)  
 (better to have electrophile 2°)



Chapter 16. Aldehydes & ketones. Advanced Practice. key



Chapter 13. Proton NMR Advanced Practice. Answer key

