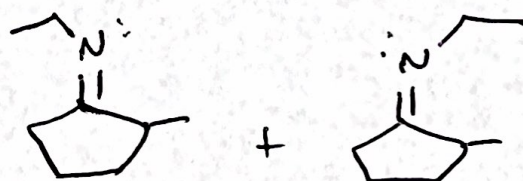
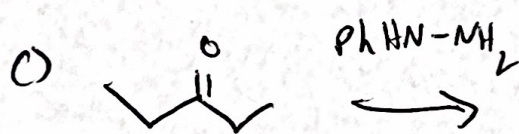
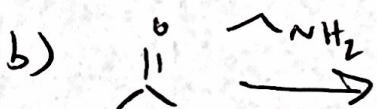
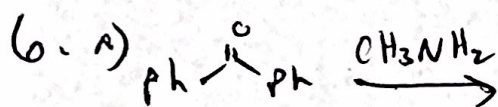
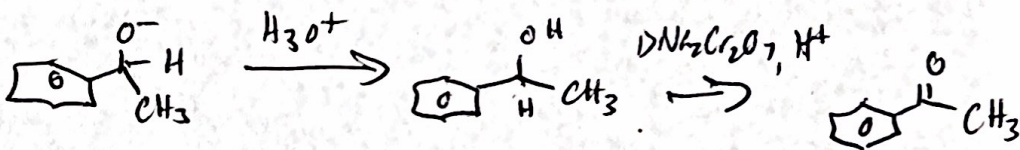
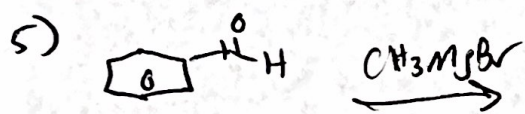
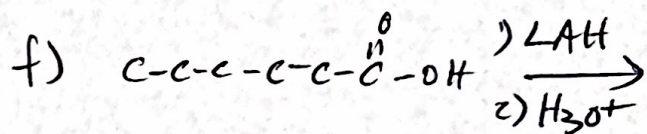
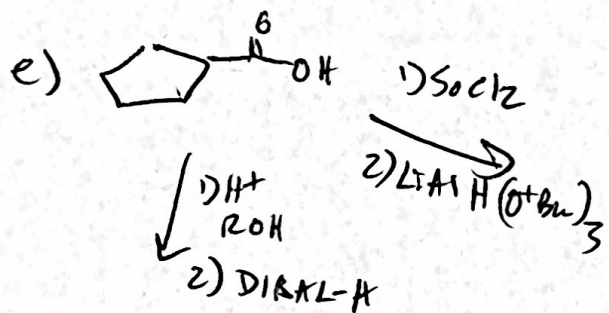
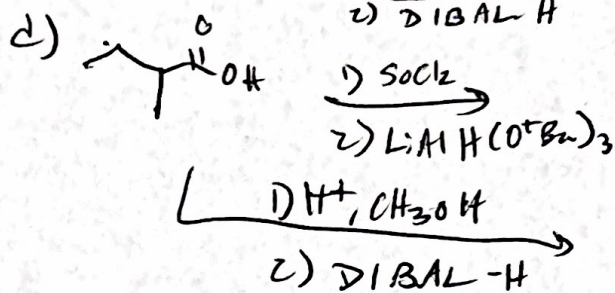
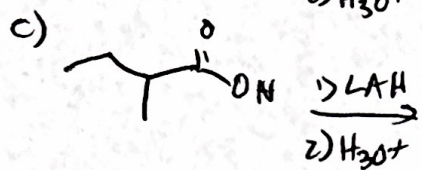
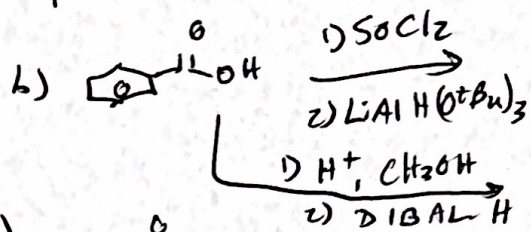
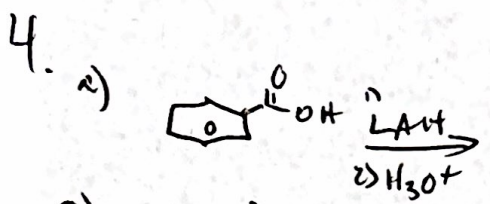
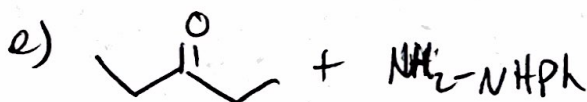
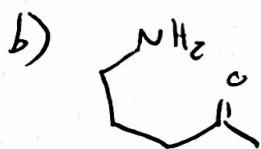
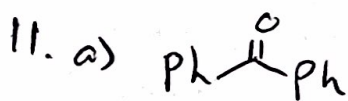
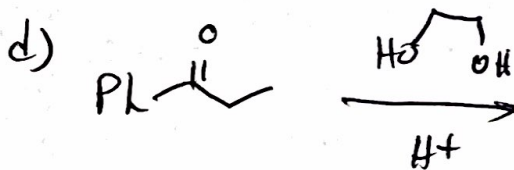
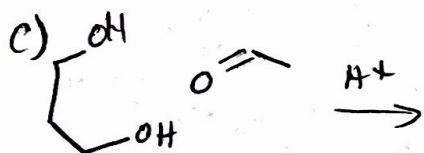
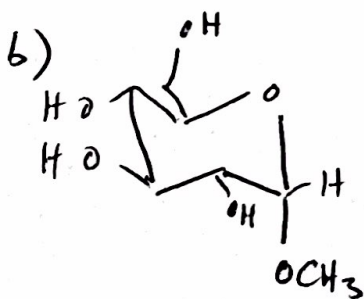
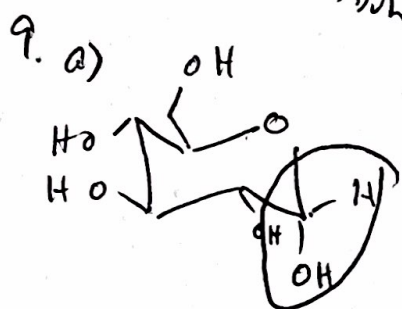
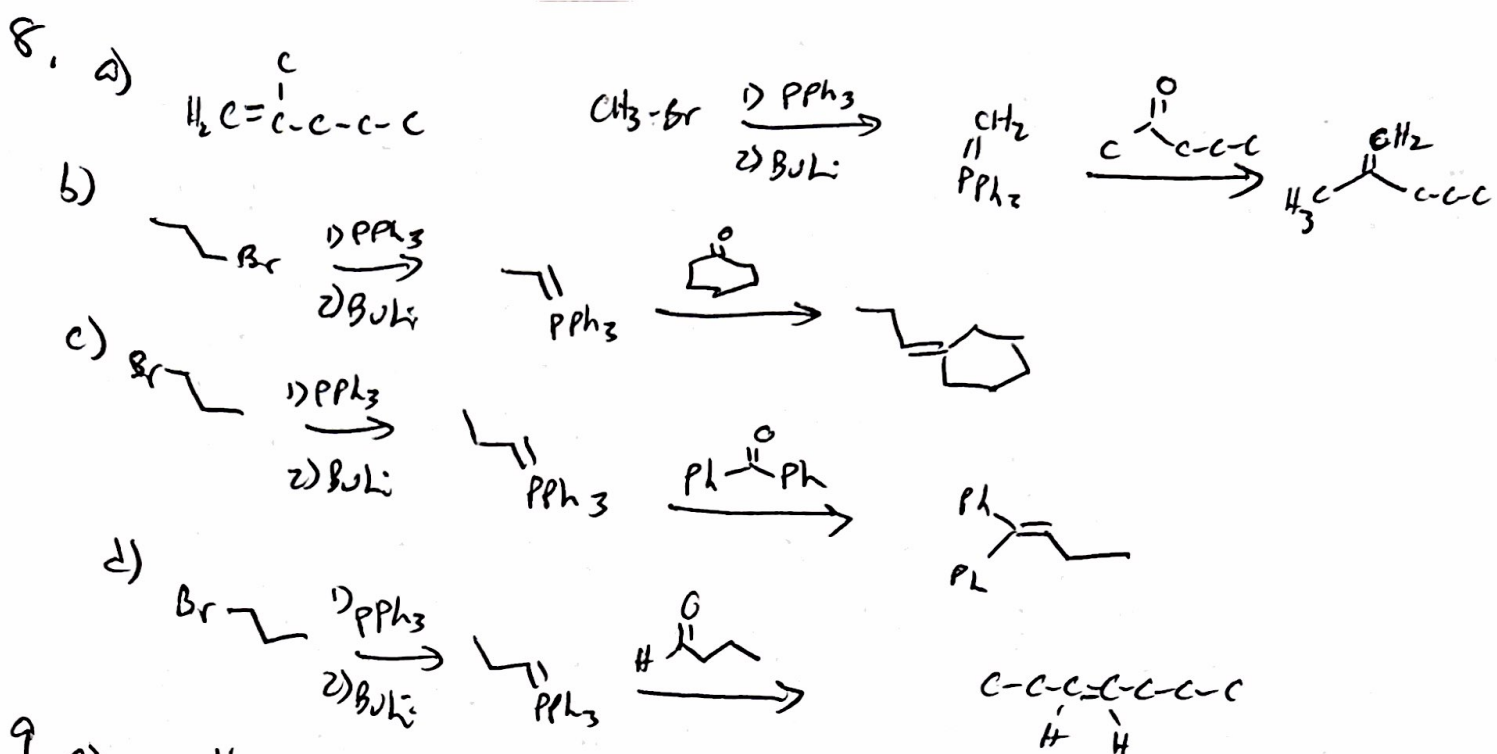
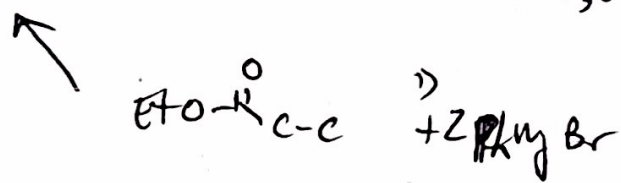
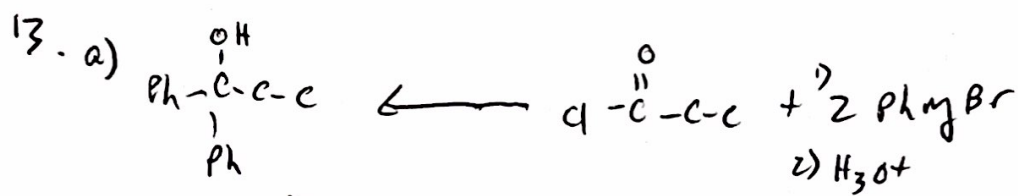
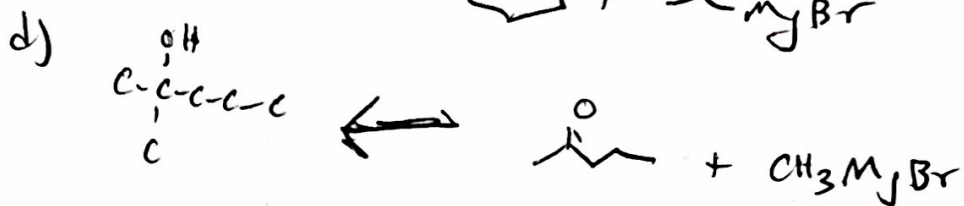
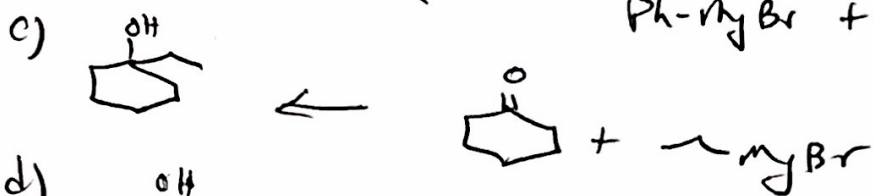
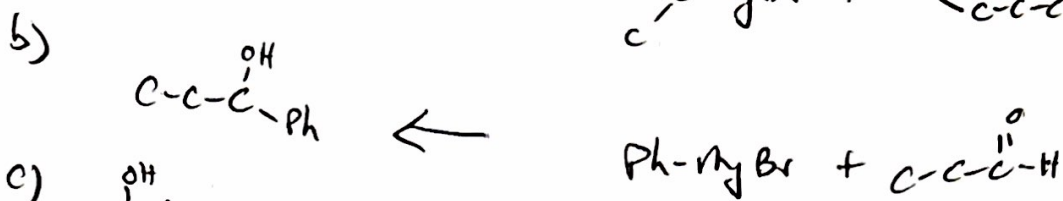
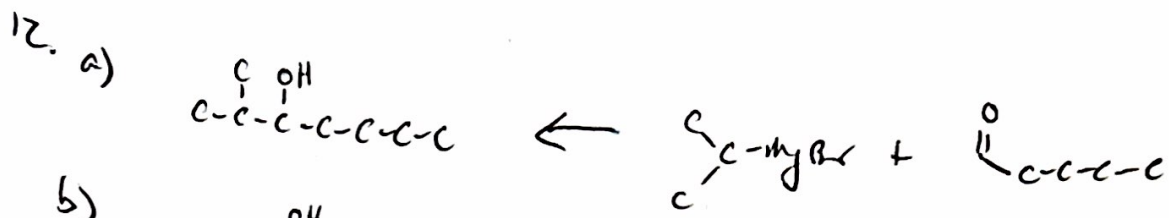


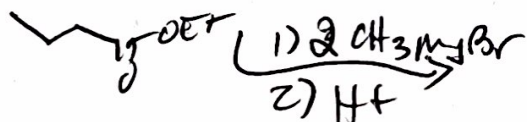
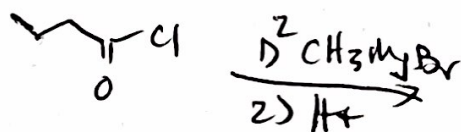
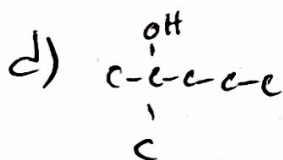
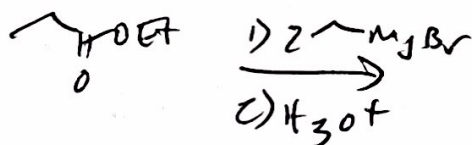
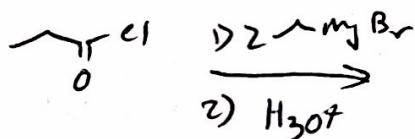
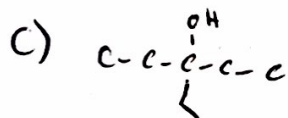
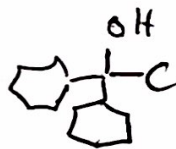
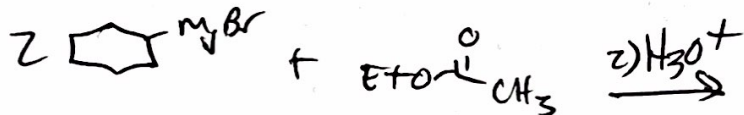
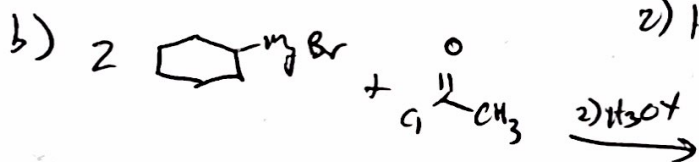
Chapter 17



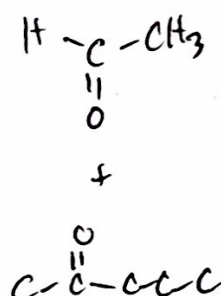
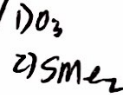
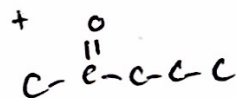
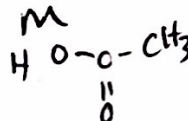
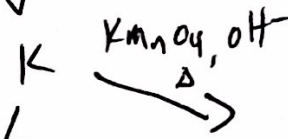
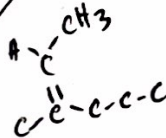
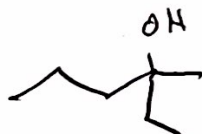
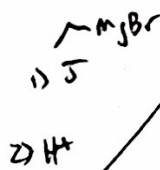
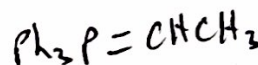
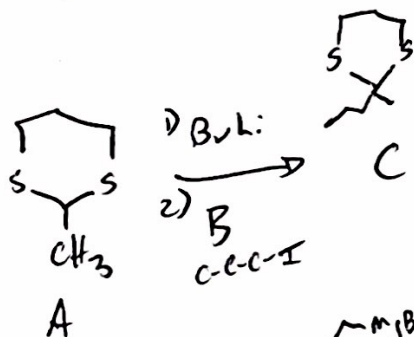
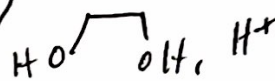
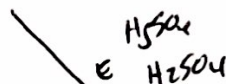
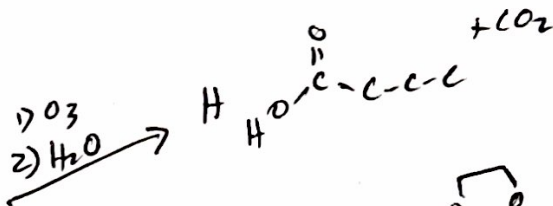
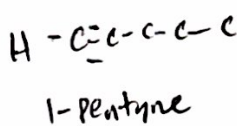
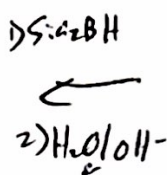
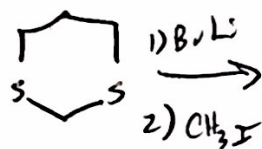
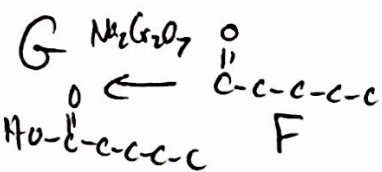


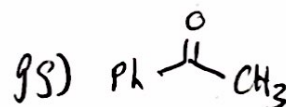
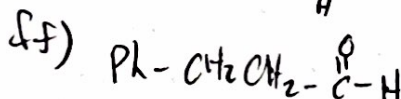
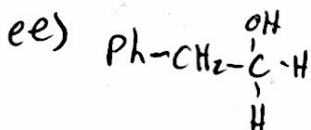
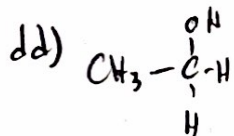
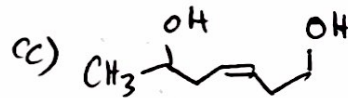
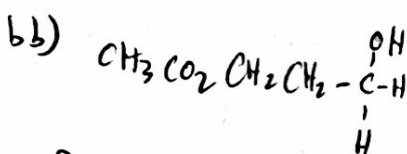
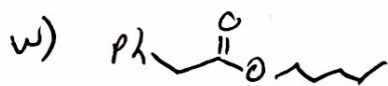
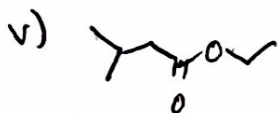
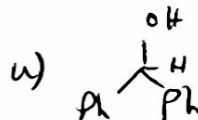
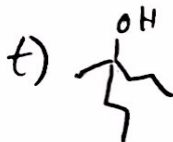
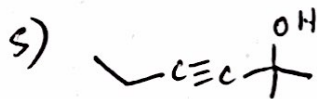
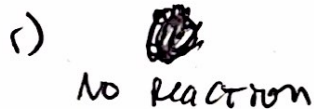
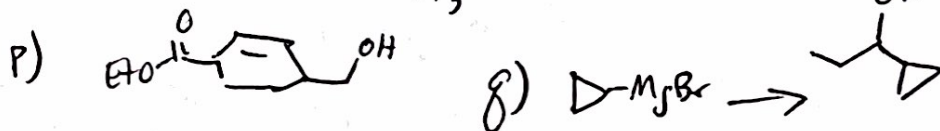
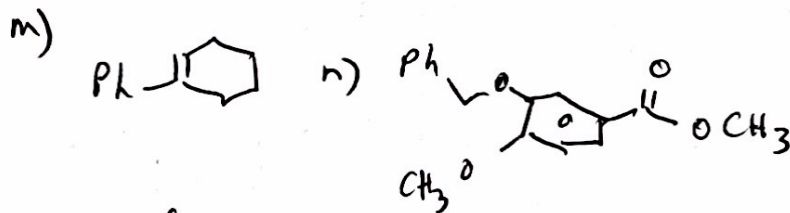
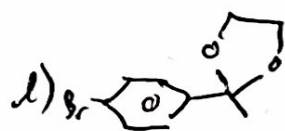
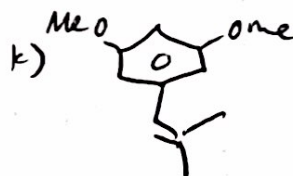
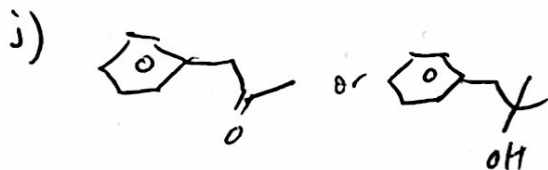
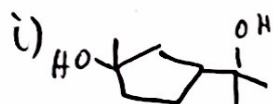
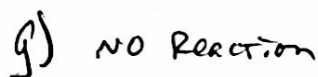
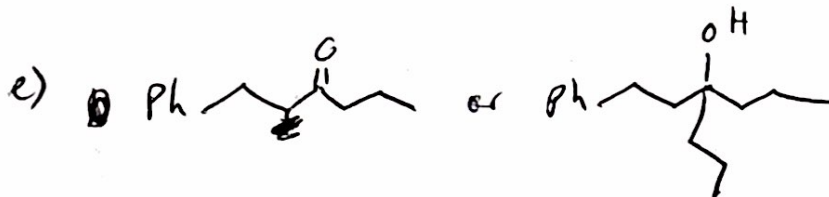
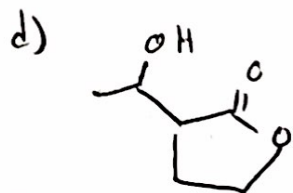
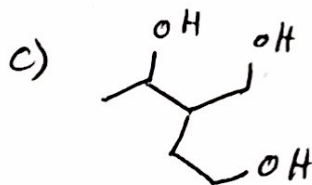


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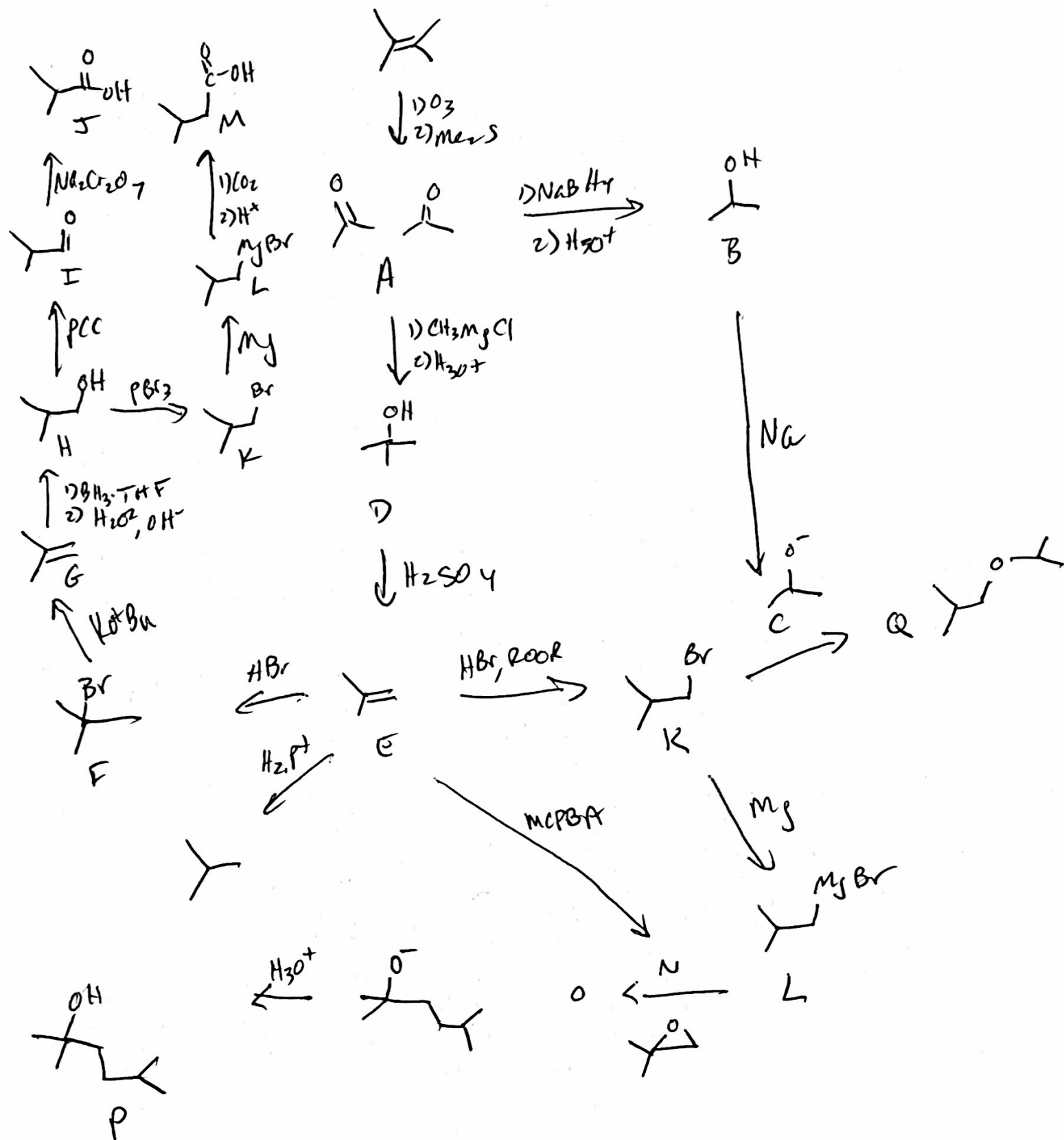


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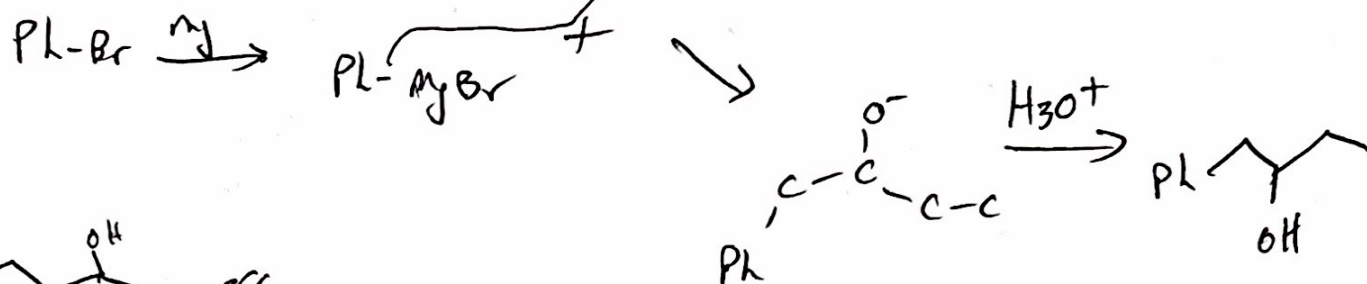




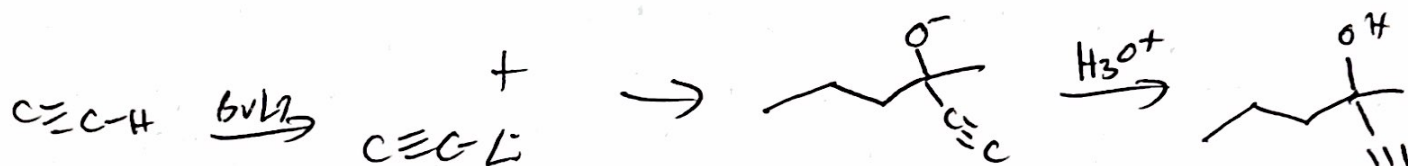
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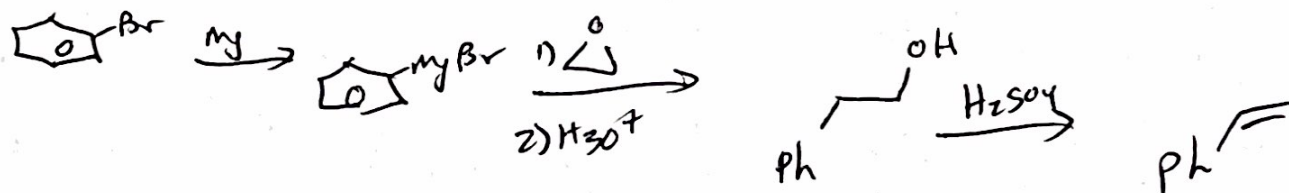
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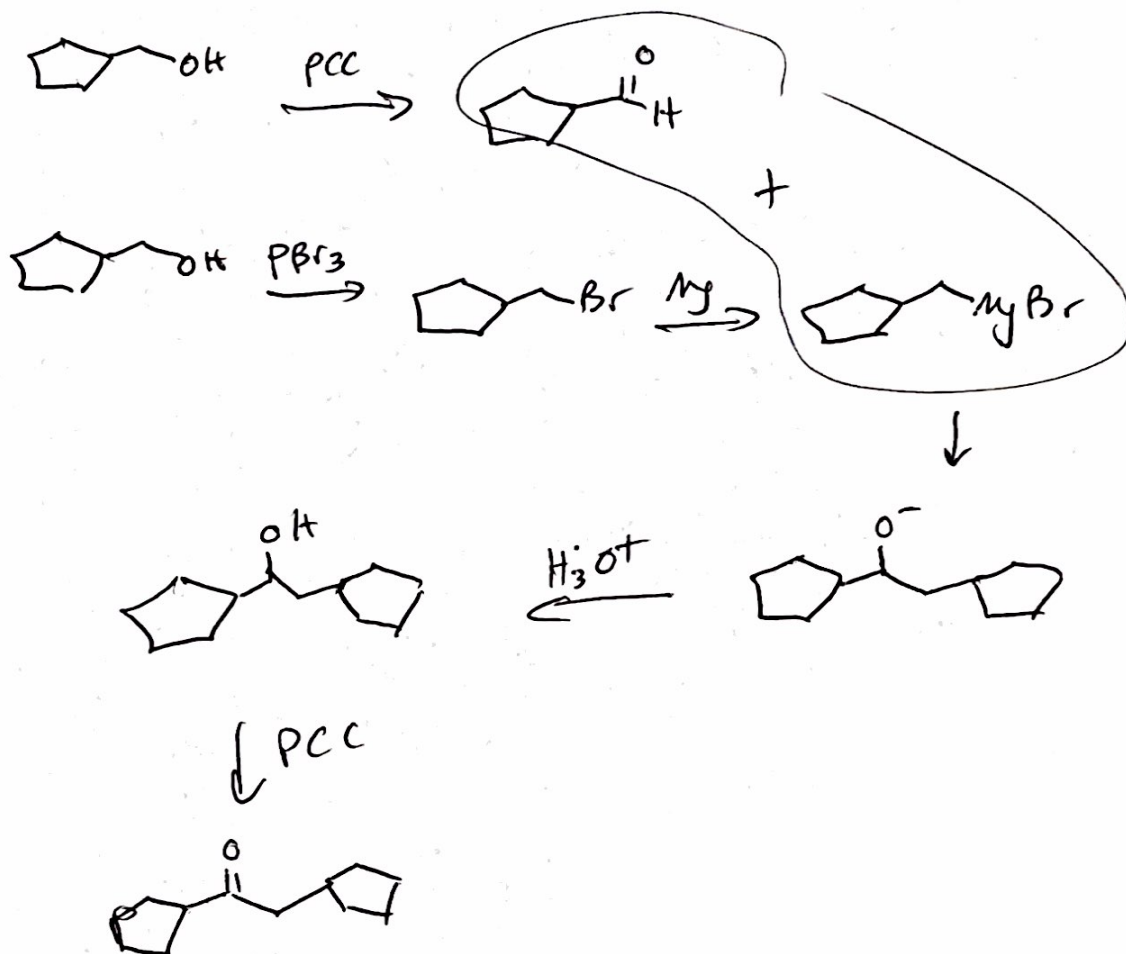
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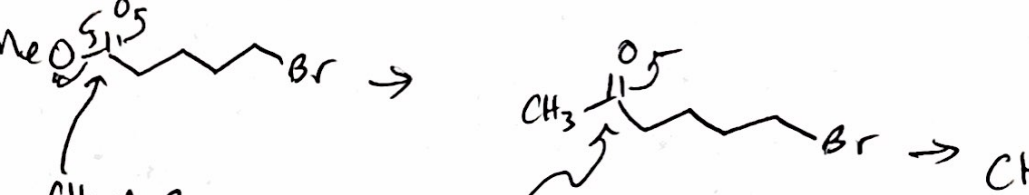
20.



e) 1) SOCl_2
2) NHMe_2
PYR.

f) ~~1)~~ H^+  OH
1)
2) $NaBH_4$
3) H_3O^+

22.



23. The LAH would also remove the ketone.

23. The LAH would also remove the ketone.

24. a) 1) Mg 2)  3) PCC
b) 1) LiOH
2) $\text{Li} \cdot \text{CH}_2\text{Ph}$ c) 1) PhCH_2MgBr
2) ~~PCC~~ H_3O^+
3) PCC
d) 1) SOCl_2 2) $\text{LiAlH}(\text{O}^t\text{Bu})_3$ e) 1) PhCH_2MgBr 2) H_3O^+

f) 1) LAH 2) H_3O^+

g) 1) MgBr 2) H_3O^+

h) 1) PPH_3
2) BuLi
3) 

- 1) MgBr
- 2) H_3O^+
- 3) PCC
- 4) $\text{HO}-\text{CH}_2-\text{CH}_2-\text{OH}, \text{H}^+$

j) $\text{HOCH}_2\text{CH}_3, \text{H}^+$

k) $\text{Na}_2\text{Cr}_2\text{O}_7, \text{H}_2\text{SO}_4$

1) 1) CH_3OH , H^+
2) DIBAL-H

m) $2) \text{H}_2\text{NCH}_2\text{CH}_3$