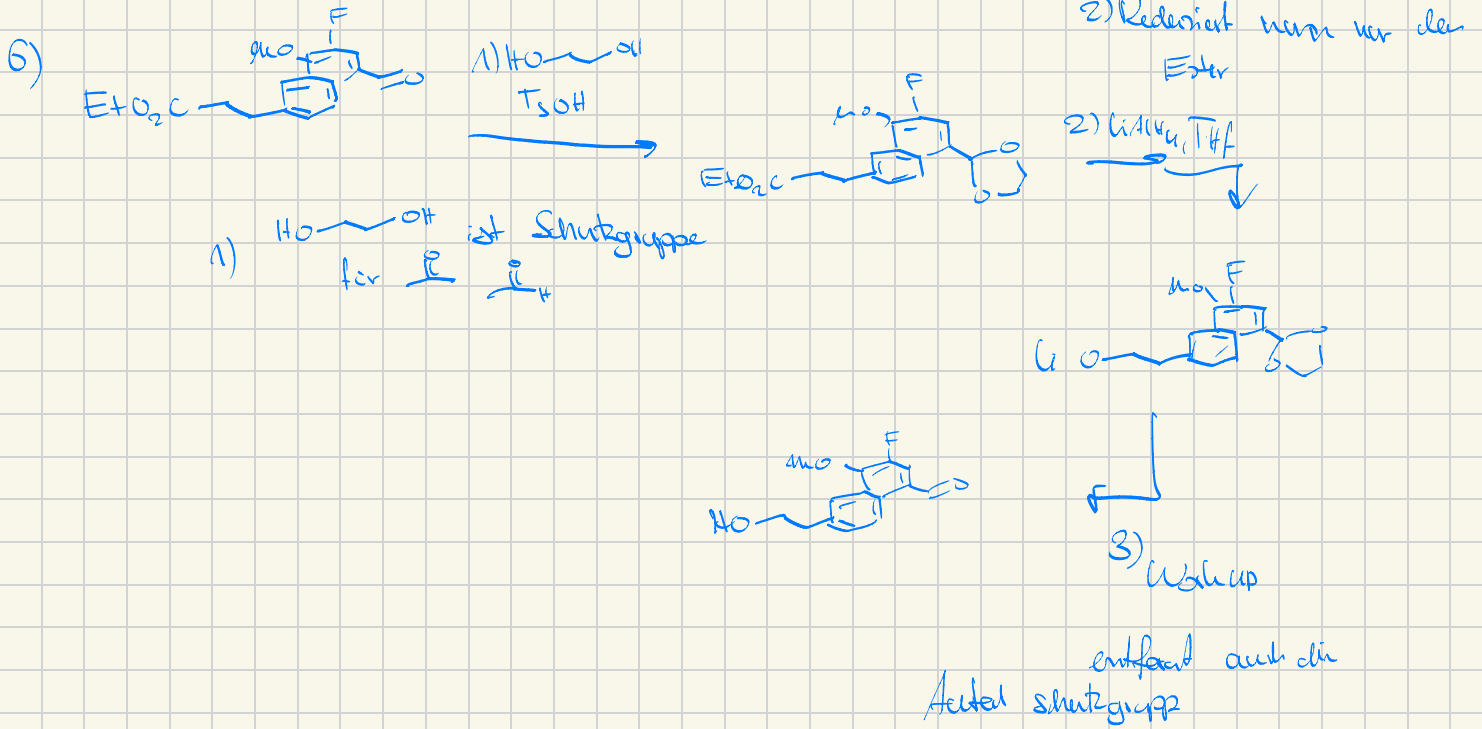
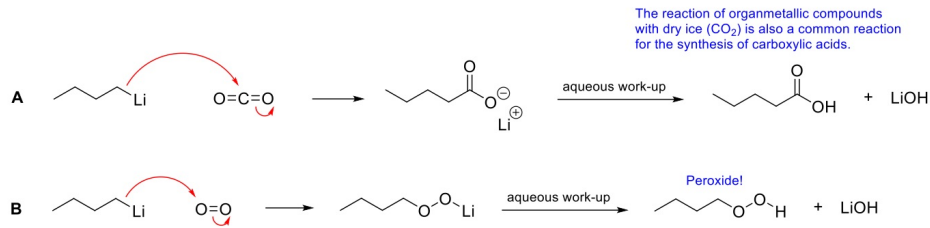


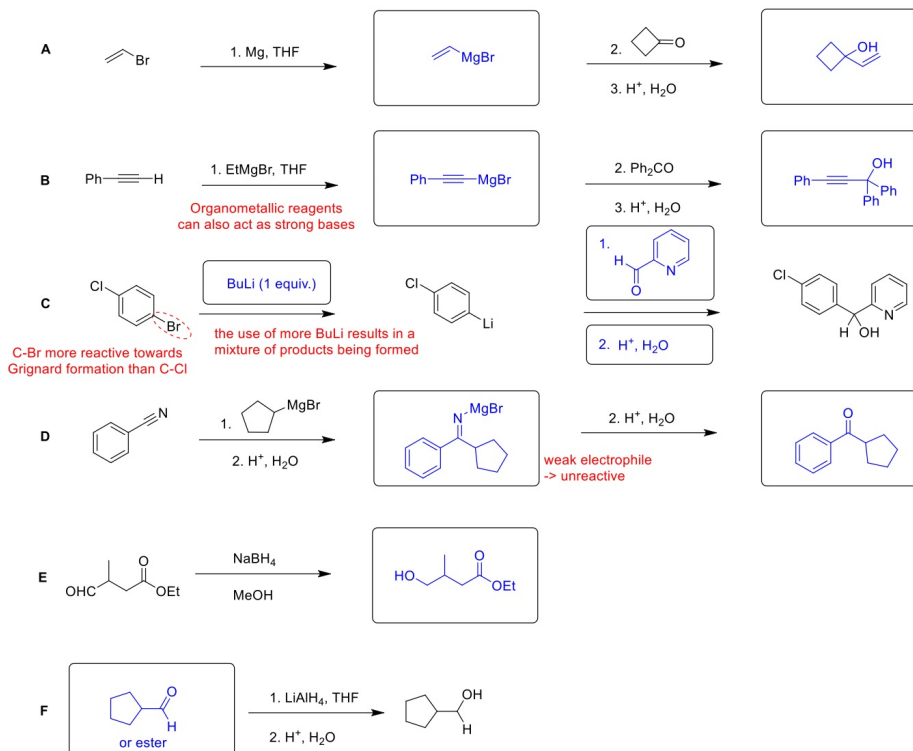
OC Notes 22.10.24

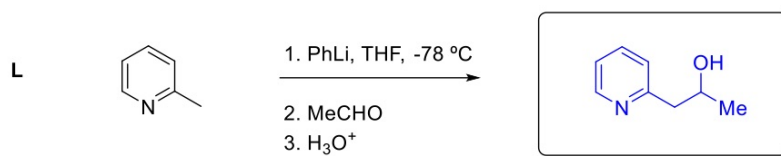
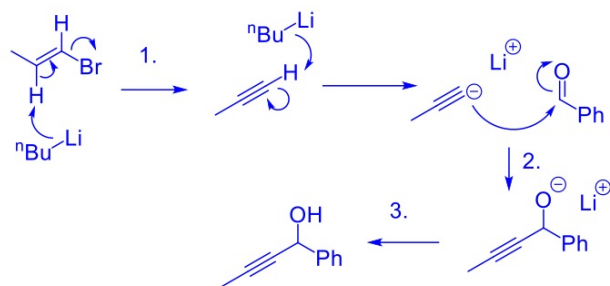
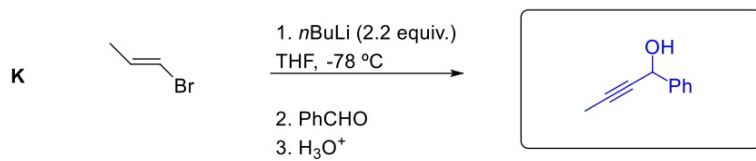
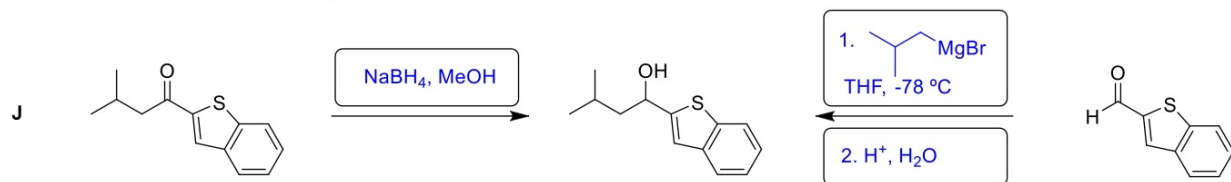
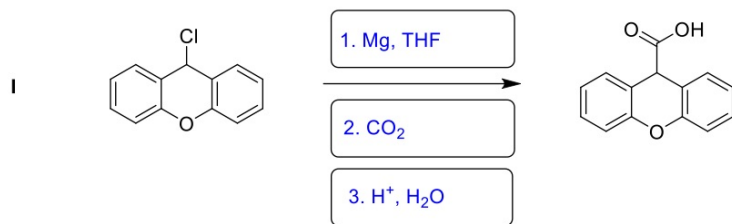
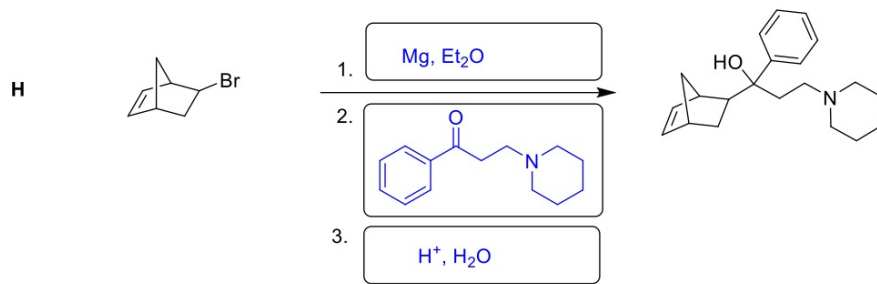
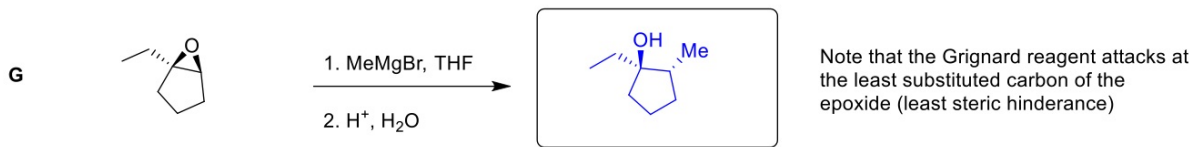


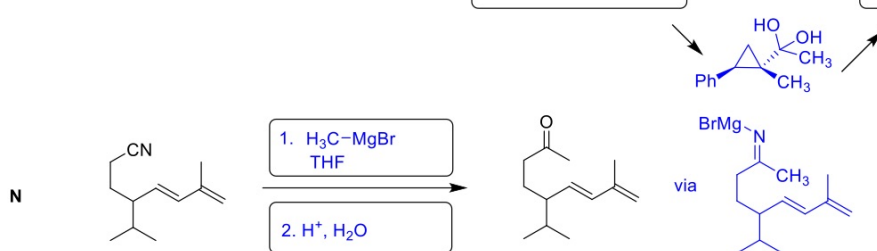
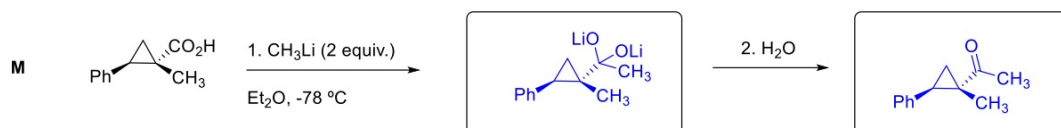
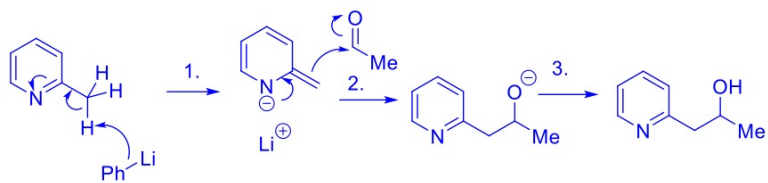
4. The presence of CO_2 and O_2 can reduce the yield of reactions with organolithium compounds. Explain why this is the case by drawing the mechanisms for the two reactions shown below.



5. Provide the missing starting materials, intermediates and products. Mechanisms are not required.







1) Organolithium more stable on $sp > sp^2 > sp^3$

- 2)
- Al more electropositive
 - Li better Lewis acid
 - size difference

3) Sterics