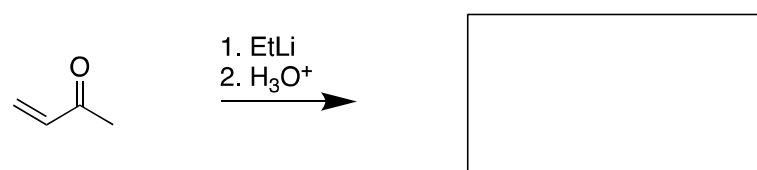
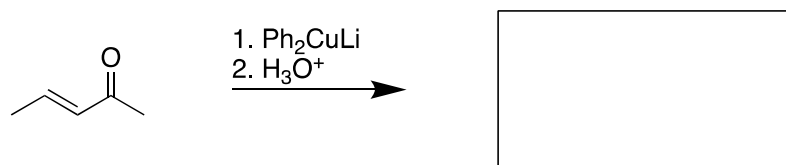
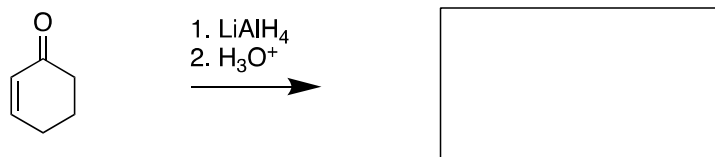


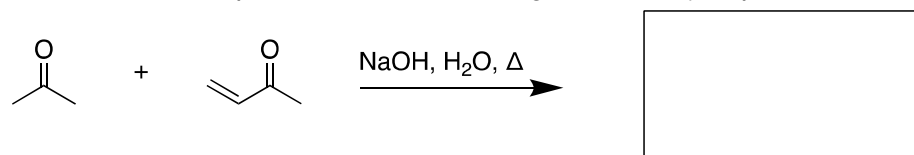
1. Provide the expected major products for each of the following reactions **inside the designated boxes**. Do not show mechanisms. (9 pts; 3 pts each)



2. For the last problem above, if you used EtMgBr instead of EtLi, would you get the same product distribution? (1 pt)

Circle one: **YES** or **NO**

3. Draw a reasonable arrow pushing mechanism for the following *Robinson annulation* reaction **AND** draw the final product inside the designated box (6.5 pts for mechanism, 3 pts for correct product).



4. Smile, you've almost made it through ochem! (0.5 pt)