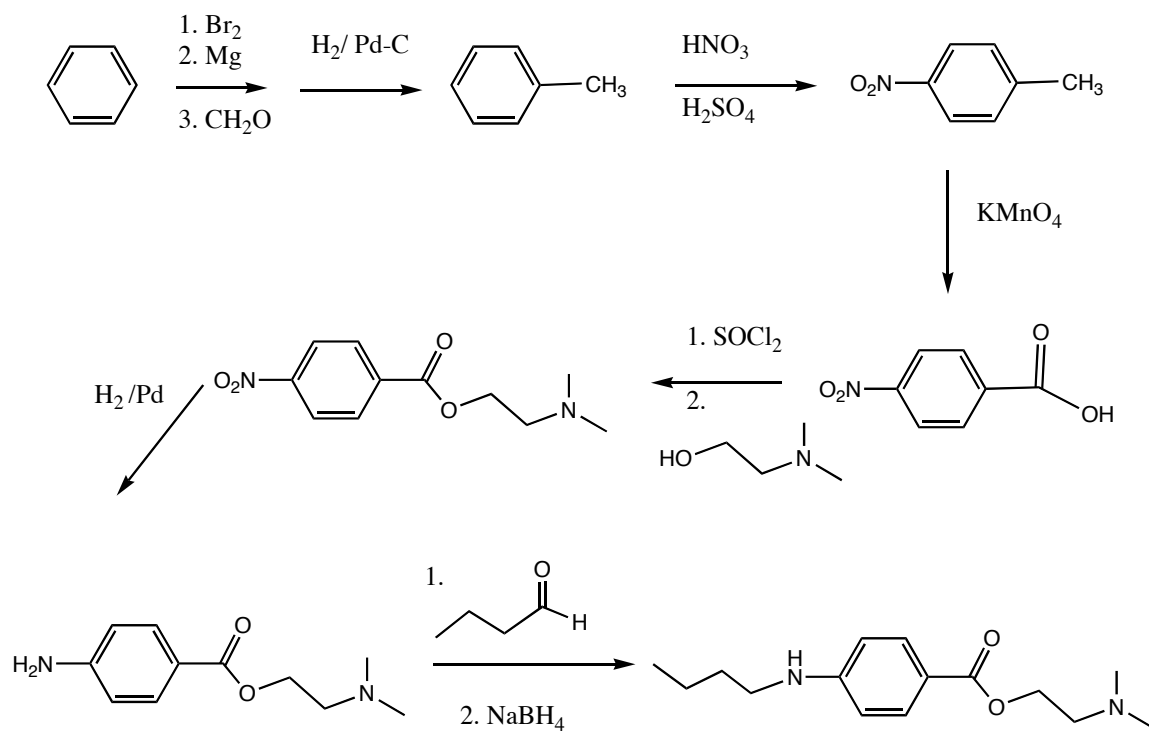
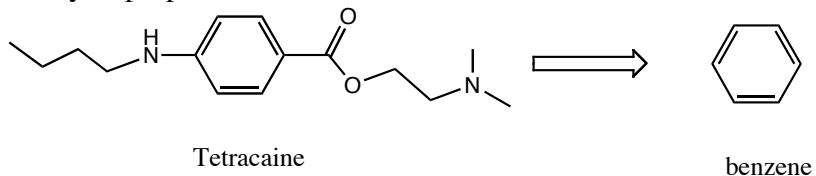
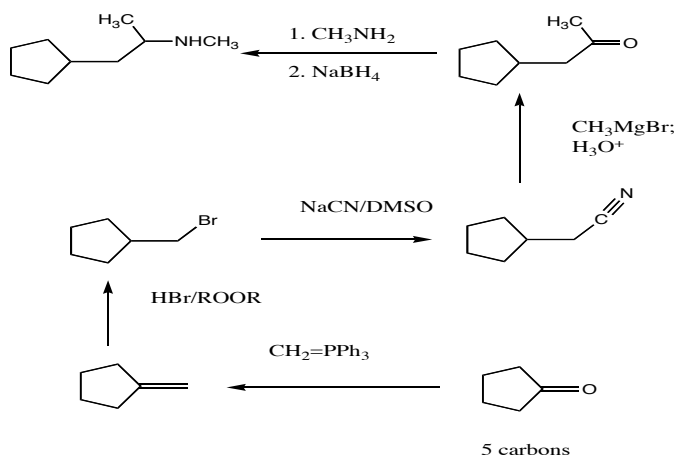


Additional Problems for practice:

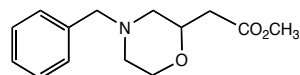
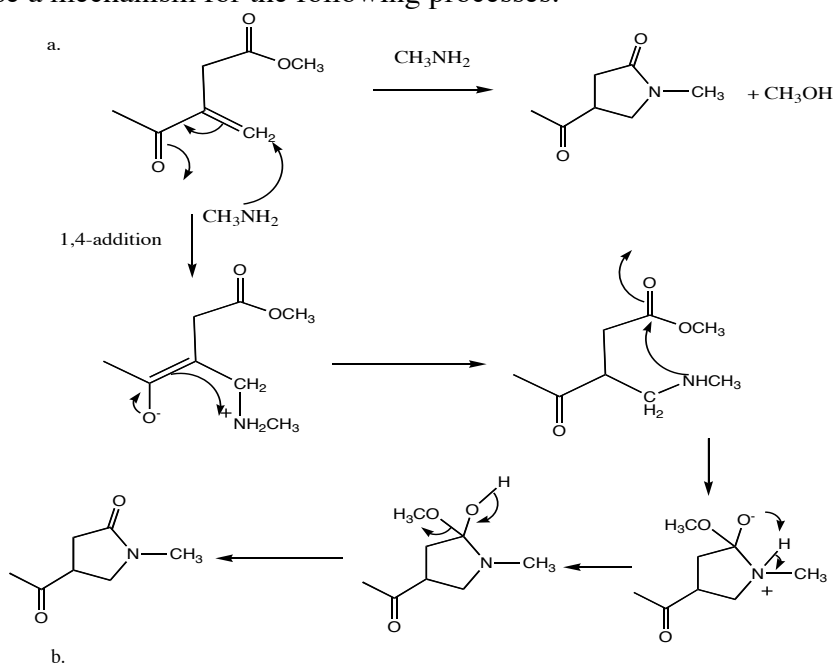
1. How would you prepare tetracaine from benzene?



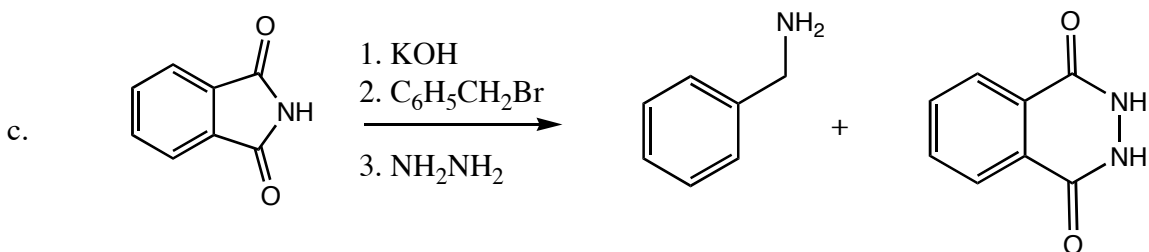
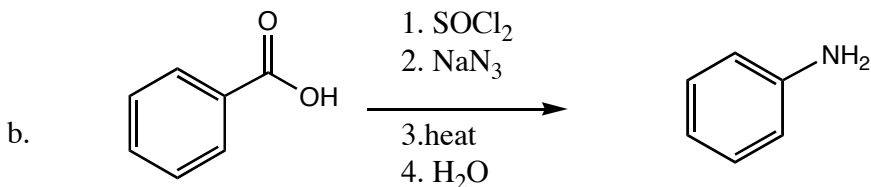
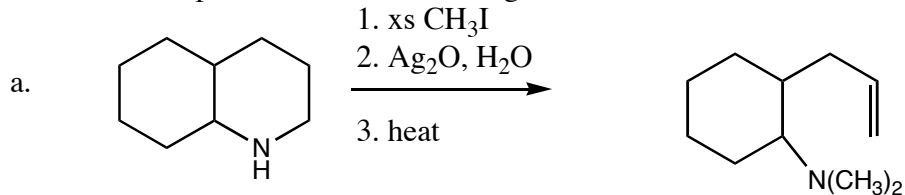
2. Propose a synthesis of cyclopentamine from materials of five carbons or less:



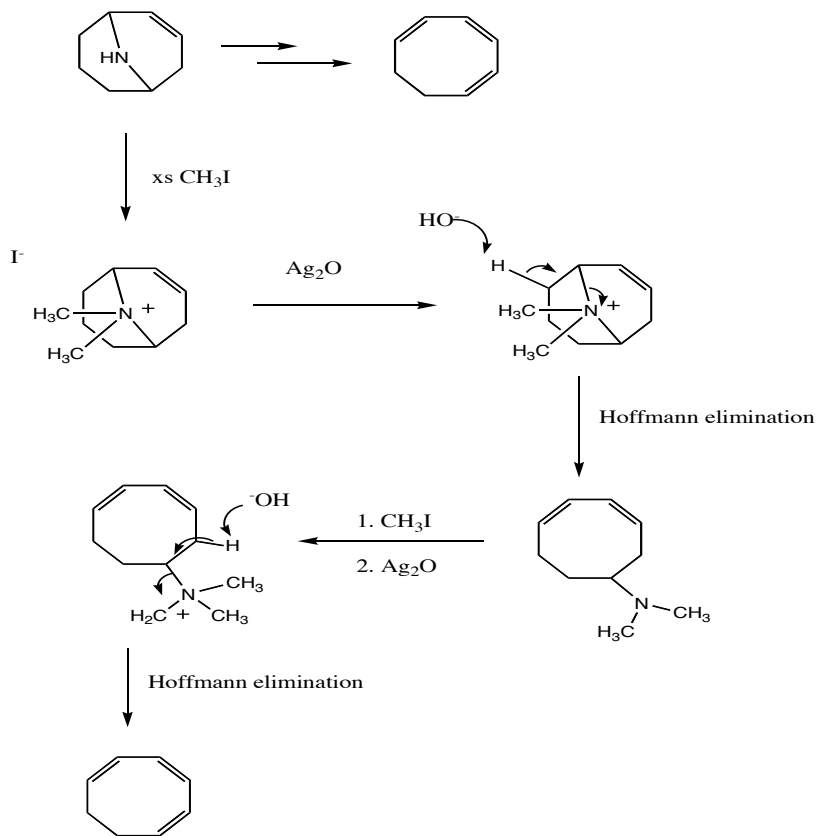
3. Propose a mechanism for the following processes:



4. Predict the products of the following reactions:



5. How might you use the Hoffmann elimination to accomplish the following transformation?



6. Show how Naphthalene can be made from o-nitro benzoic acid by a Diels-Alder reaction

