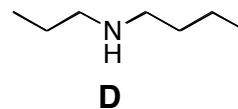
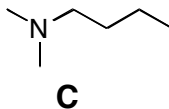
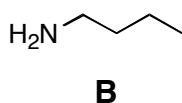
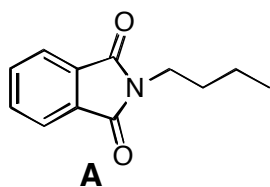
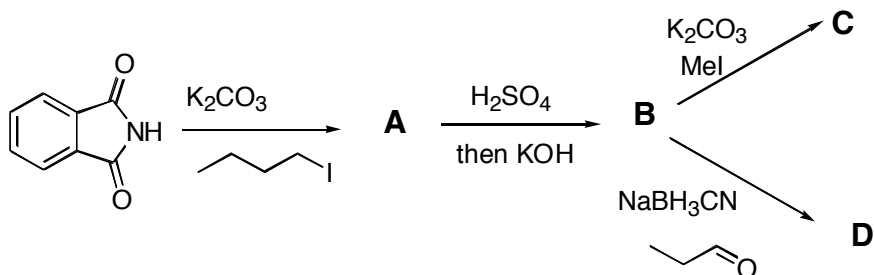
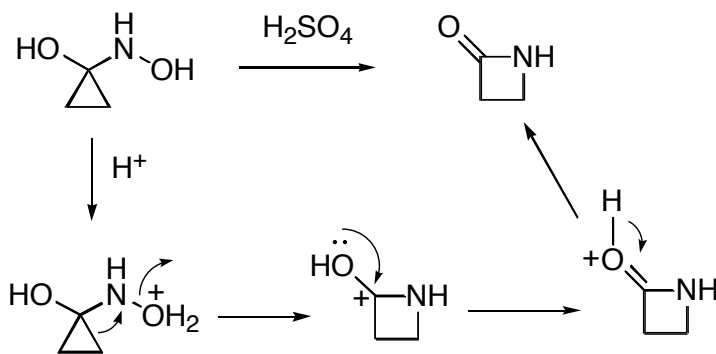


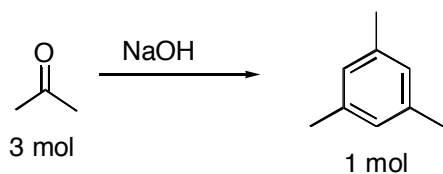
1) Provide structures for **A**, **B**, **C**, and **D**



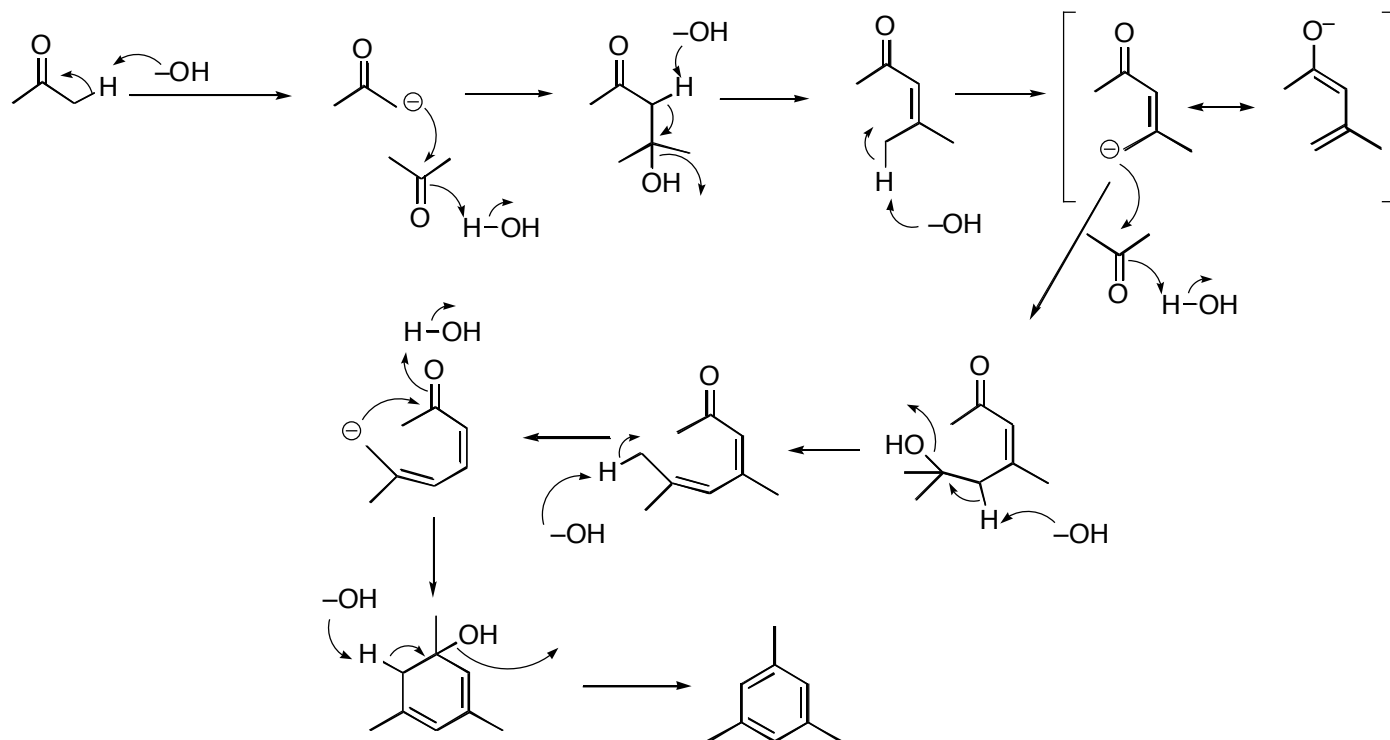
2) Provide an arrow pushing mechanism



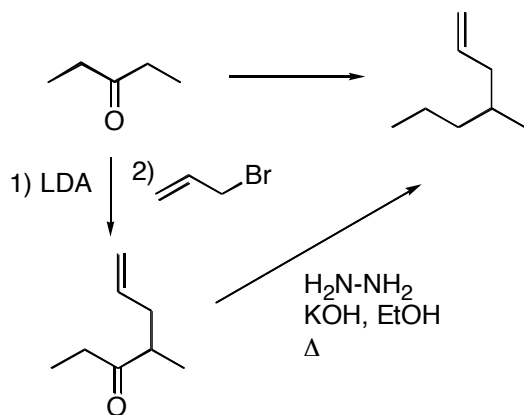
3) Provide an arrow pushing mechanism



this anion has resonance with the carbonyl and behaves like a 'conjugated enolate'.



4) Provide a synthesis, using the indicated starting material and any other materials



5) Provide a synthesis, using the indicated starting material and any other materials

