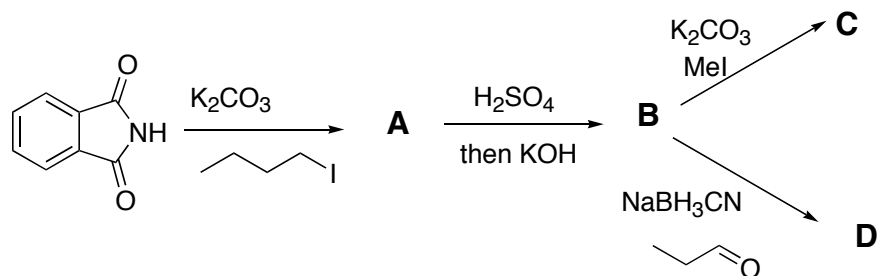
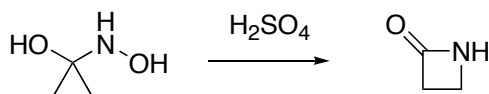


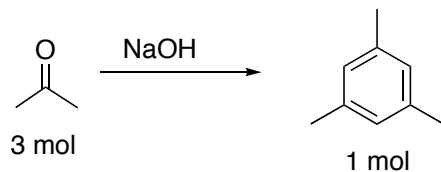
1) Provide structures for **A**, **B**, **C**, and **D**



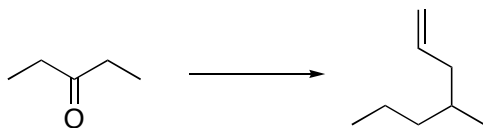
2) Provide an arrow pushing mechanism



3) Provide an arrow pushing mechanism



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

