THE UNIVERSITY OF TOLEDO 1872

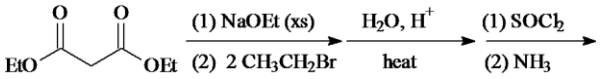
Quiz #2 of 5 10 PTS

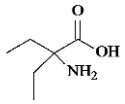
Instructor:	Prof. Andreana
Room #:	FH 2030

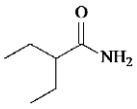
Your Name: _____

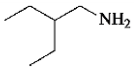
Student Number: _____

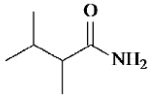
1) What is the product of the following reaction sequence? **3 PTS**



A) 

B) 

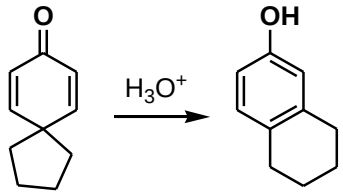
C) 

D) 

ANSWER (Circle):

A) B) C) D)

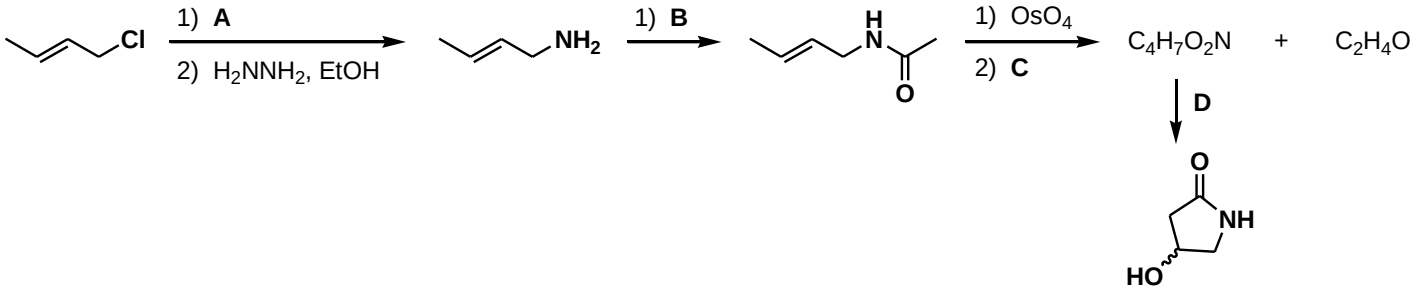
2) In a general reaction known as the *cyclohexadienone-phenol rearrangement*, cyclohexadienones are converted to phenols under conditions of acid catalysis. An example is:



Write a reasonable mechanism for this reaction. **3 PTS**

ANSWER:

3) Provide the missing reagents/structures for the "roadmap" below. (**A** = reagent, **B** = reagent, **C** = reagent, **D** = reagent). Reagent **D** is a specific base covered in class (three letters will do). **4 PTS**



ANSWER: