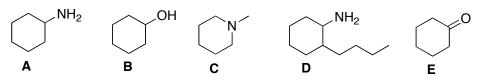
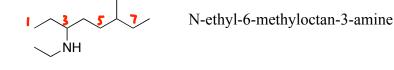
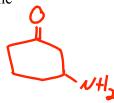
- 1. Solubility/Boiling point problem. Which of the following statements is <u>false</u>?
 - \uparrow a. The water solubility of **A** is greater than for **B**, because amines are more basic and thus hydrogen bond better with water.
 - **T** b. The boiling point of **B** is greater than for **A**, because alcohols are more acidic and thus hydrogen bond better with themselves.
 - \Box c. The relative boiling points should be D > A > C
 - **F** d. The relative water solubilities should be D > A > C
 - T e. Structures C and E can hydrogen bond to water, but neither can hydrogen-bond to itself



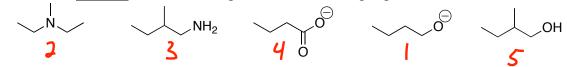
2. Name the following:



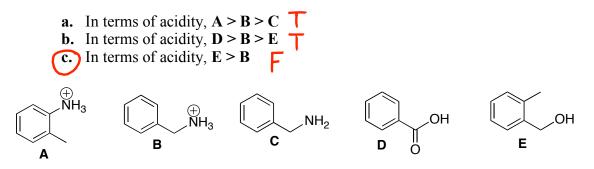
3. Draw the structure for 3-aminocyclohexanone



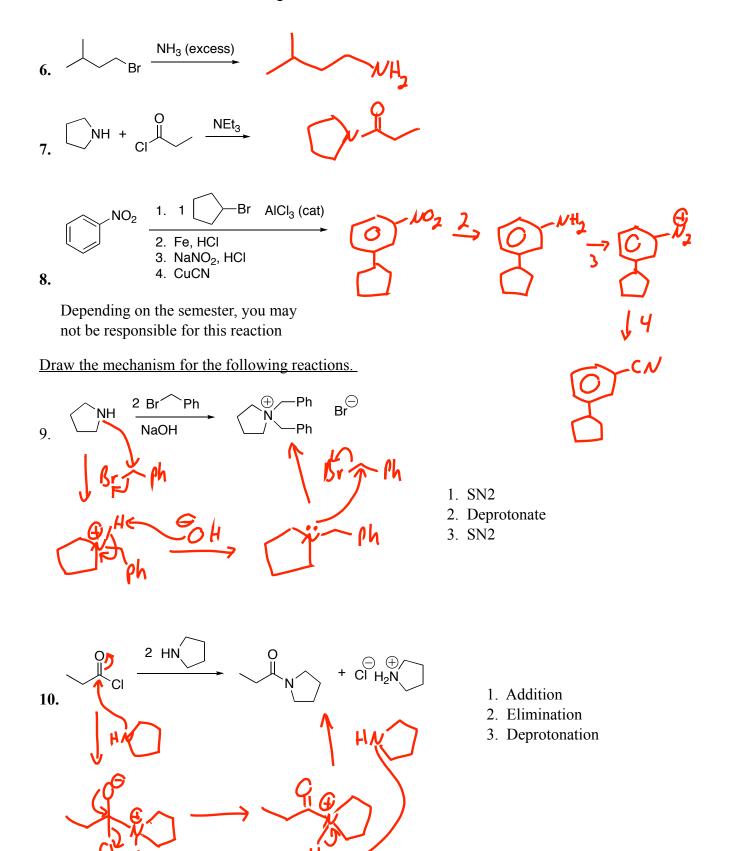
4. Rank the **basicity** of the following from 1 to 5, 1 being highest.



5. Which of the following statements is <u>false</u> regarding the acidities of structures A-E:



T



C۱G