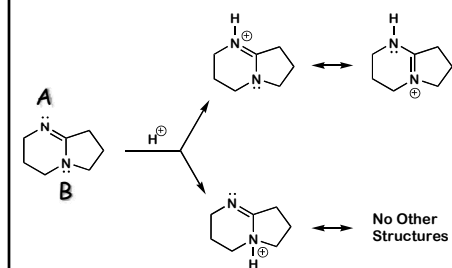
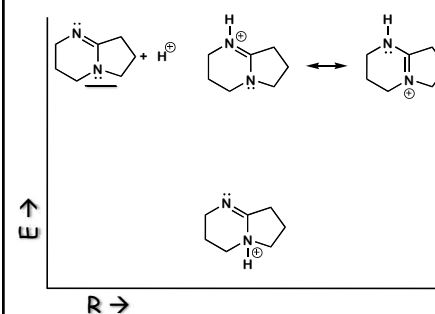


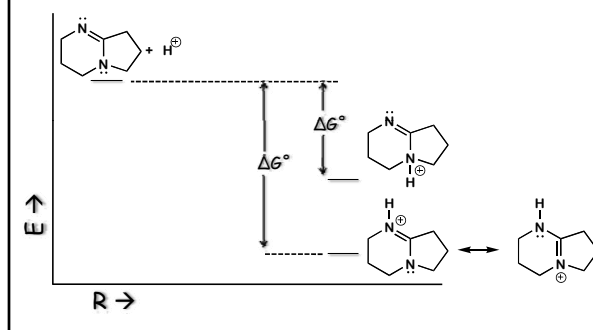
Which nitrogen atom is more basic?
Which conjugate acid is more stable (less acidic)?



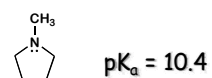
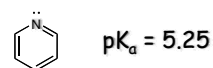
Which nitrogen atom is more basic?



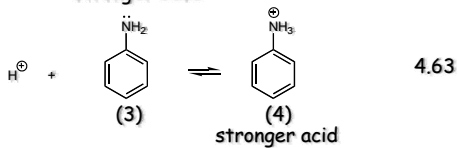
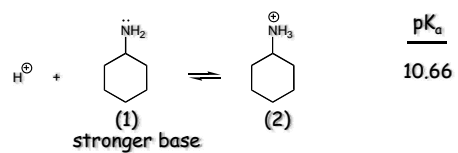
Which nitrogen atom is more basic?



How does the basicity of 1,5-diazabicyclo[4.3.0]non-5-ene (DBN) compare to other amines?

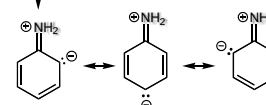
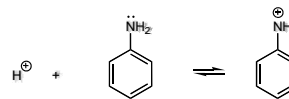
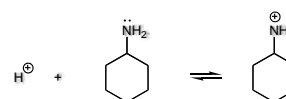


Identify the stronger acid and base.

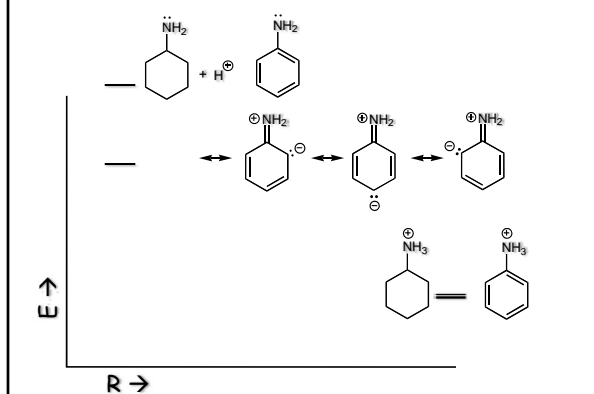


A (1) + (2) B (3) + (4) C (2) + (3) D (1) + (4) A (1) + (3)

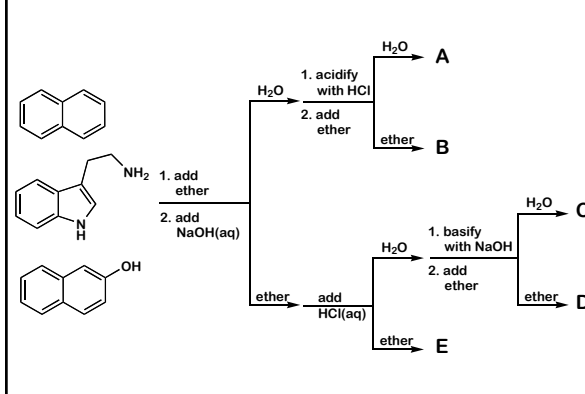
Identify the stronger acid and base.



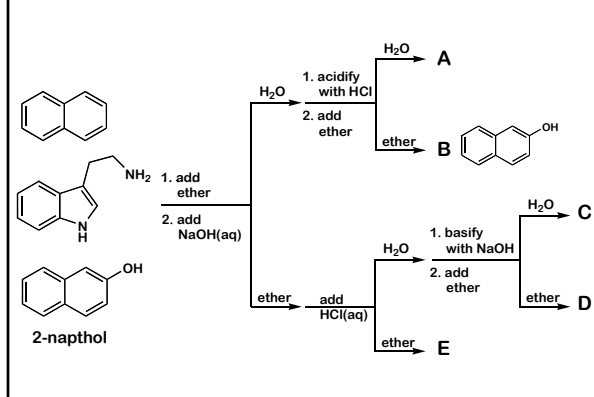
Which compound is more basic?



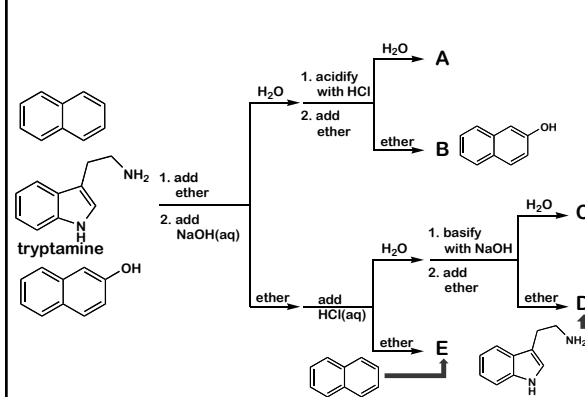
Review: Consider the following separation scheme.



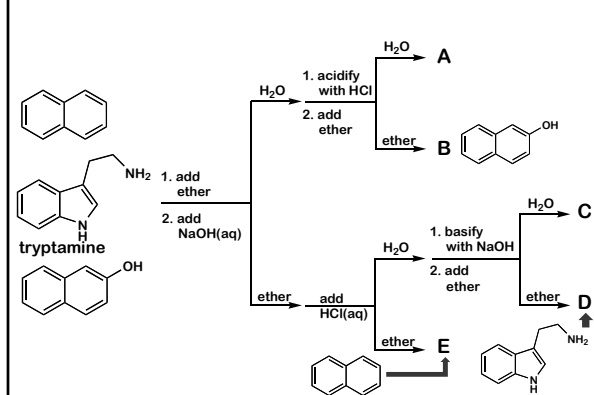
Where is 2-naphthol?



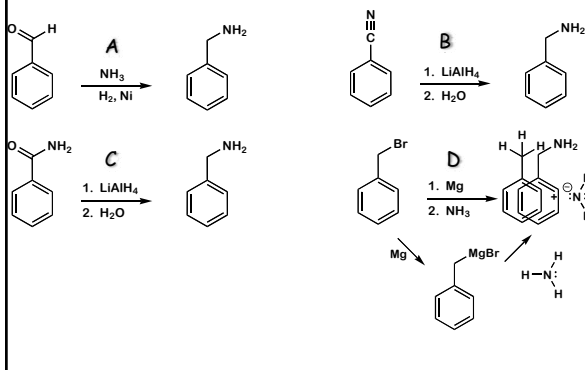
Where is tryptamine?



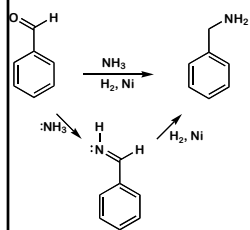
What is the composition of A and C?



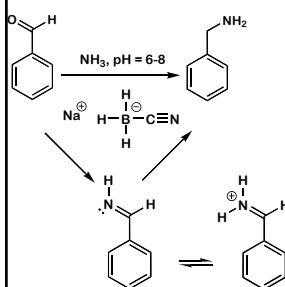
Which of the following reaction sequences would not give the amine shown.



How do these reactions occur?

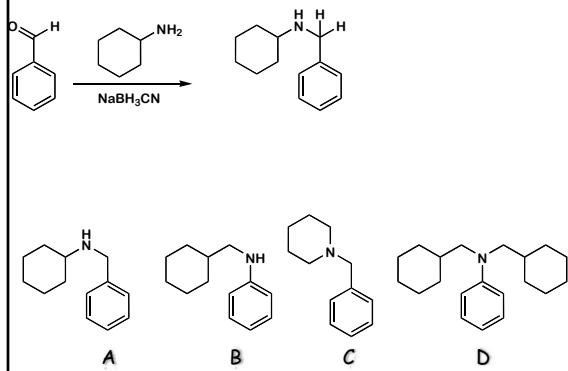


How are amines prepared?

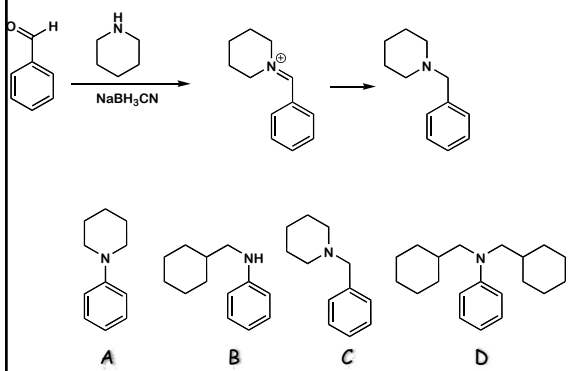


Why doesn't the C=O group react with the reducing agent?

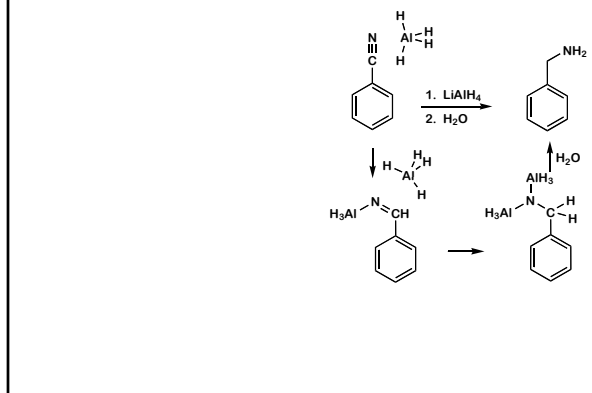
What is the product of the following reaction?



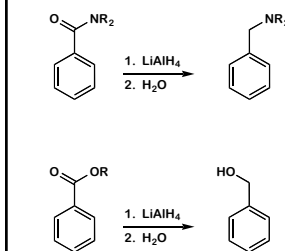
What is the product of the following reaction?



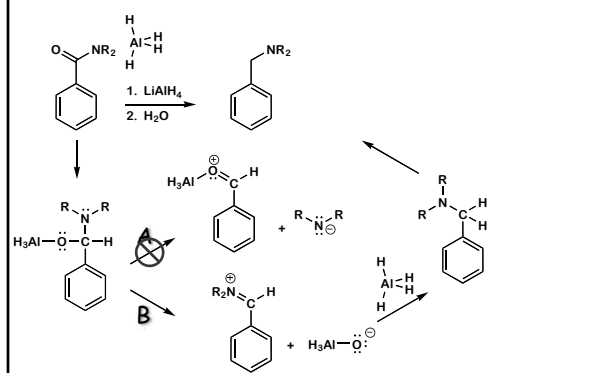
How do these reactions occur?



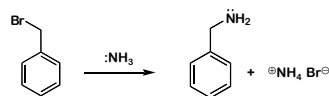
Why do amides and esters react differently?



Why do amides and esters react differently?

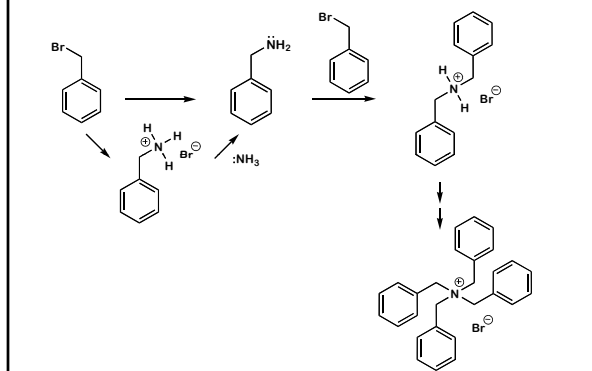


Why is the following reaction not a good method for the preparation of benzylamine?

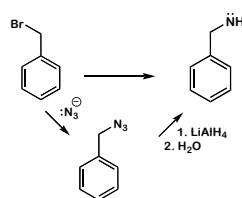


- A. NH_3 is not a nucleophile.
 B. Benzylbromide, being an aromatic halide, is not a reactive substrate.
 C. Benzylamine would not be the major product of this reaction.
 D. Benzylamine is very unstable and would decompose.

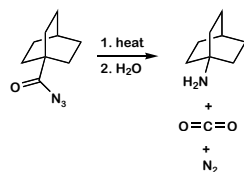
Why is the simple alkylation of NH_3 not a good method for the preparation of 1° amines?



Are there alternatives to the use of ammonia for the preparation of amines?



How does the following transformation occur?



Choose the first intermediate in this reaction (loss of N_2).

