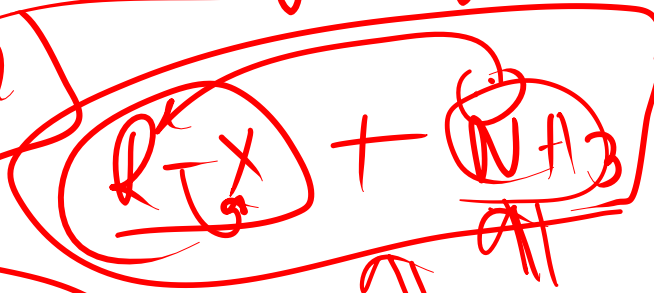
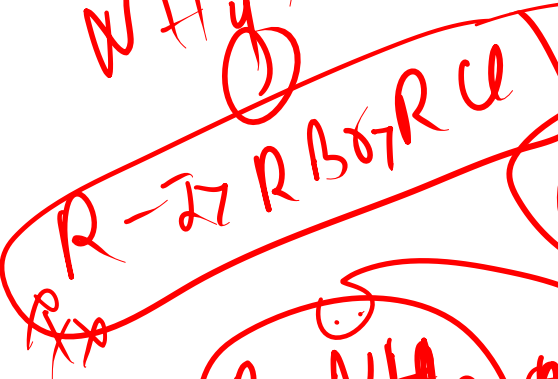
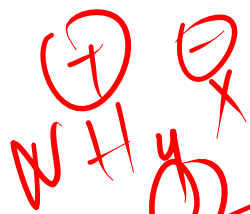
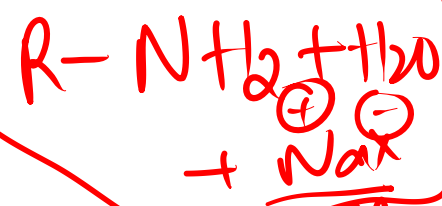
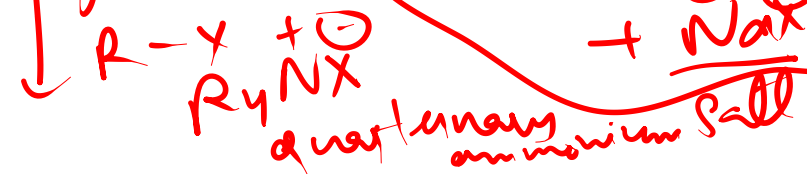
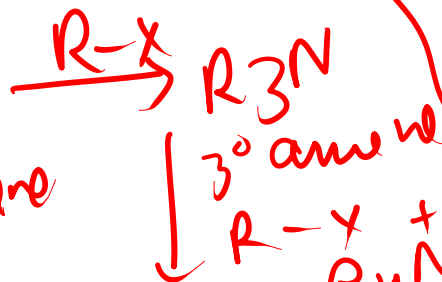
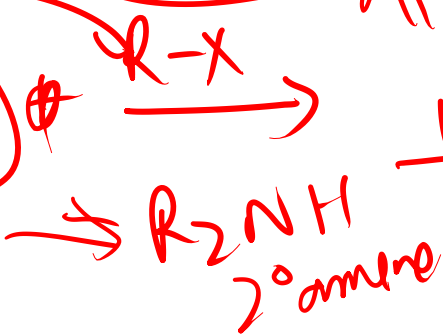


# Ammonolysis of Alkyl halide

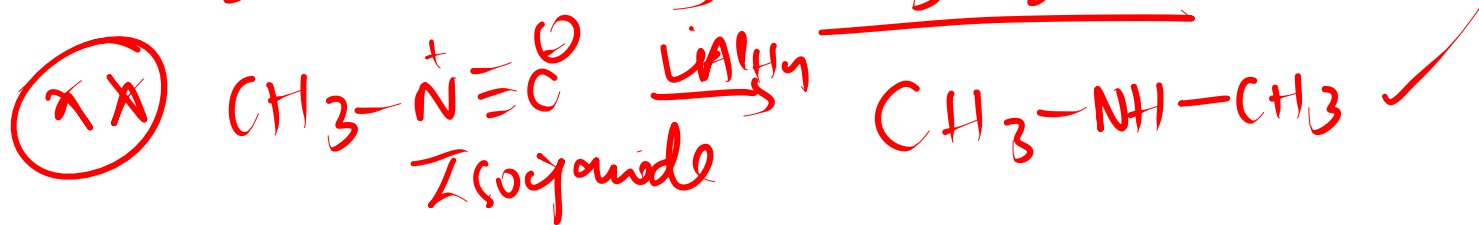
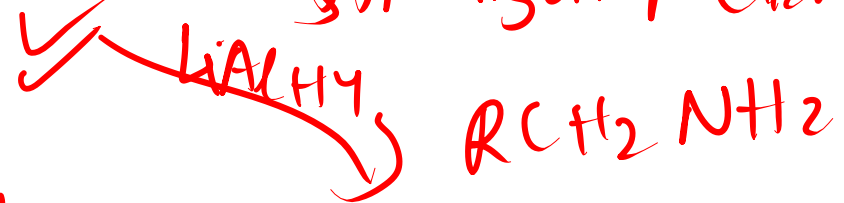
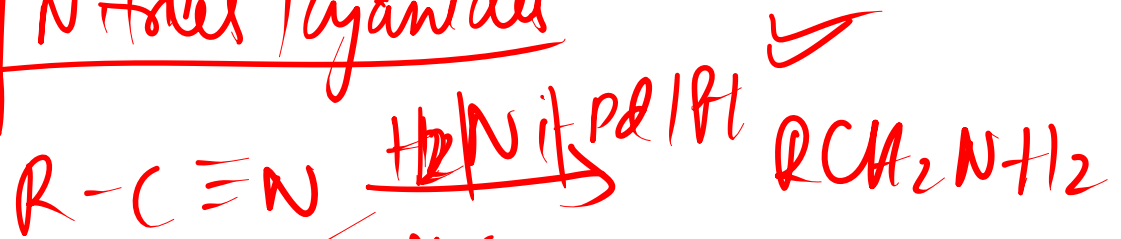


Sub ammi salt  
Structure



↓ NaOH

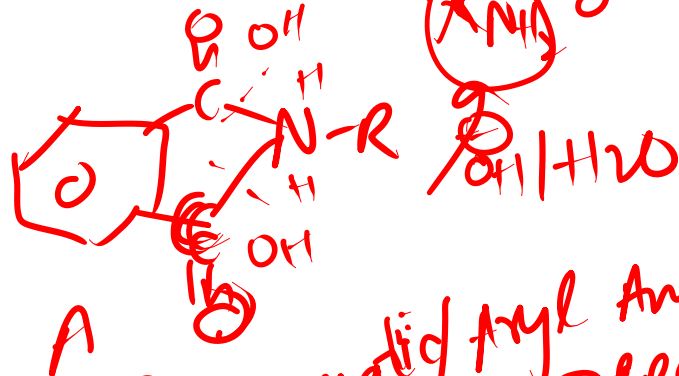
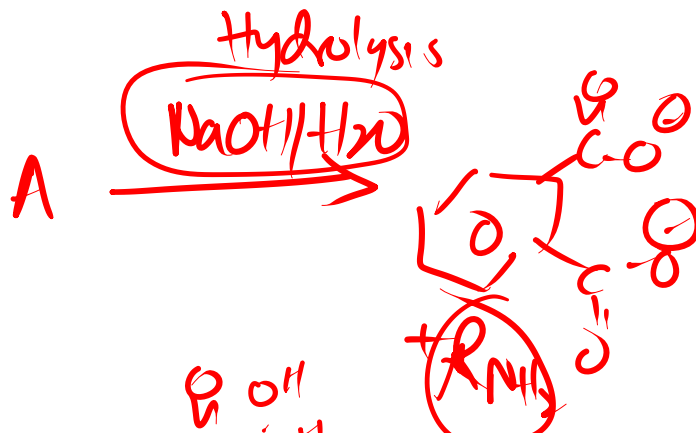
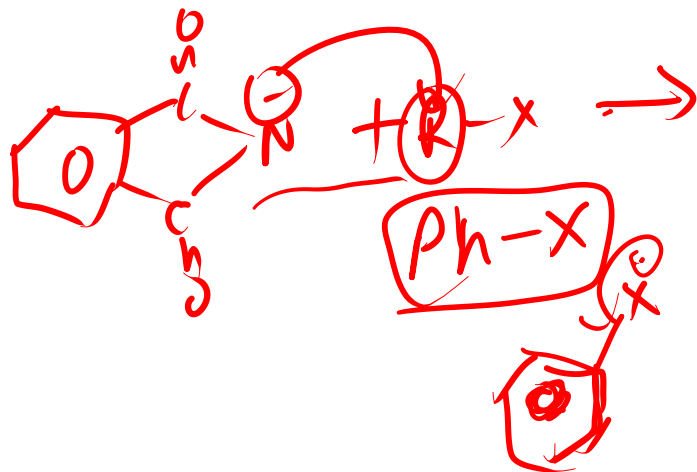
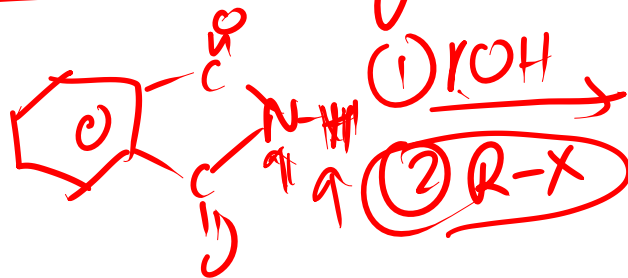
# Reduction of Nitriles / Cyanides



# Gabriel phthalimide synthesis

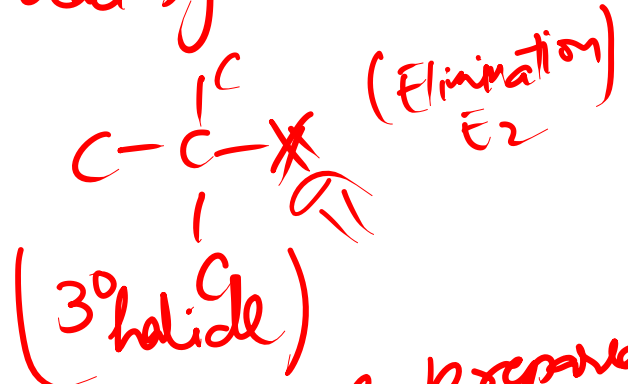
Aryl amine

Ph-NH<sub>2</sub>  
Aromatic Amine



① Aromatic/Aryl Amines can't be prepared by this rxn. only

\* Alkyl halide should <sup>be able to</sup> ~~undergo~~ SN<sub>2</sub> mechanism  
 react by



(A B C D)

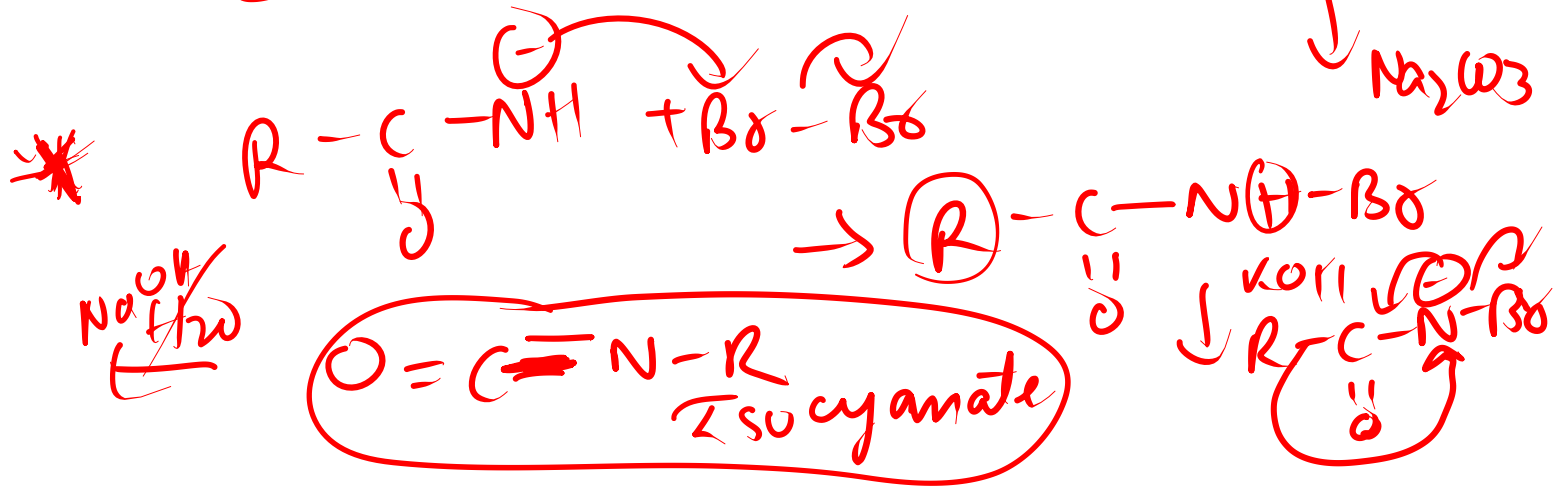
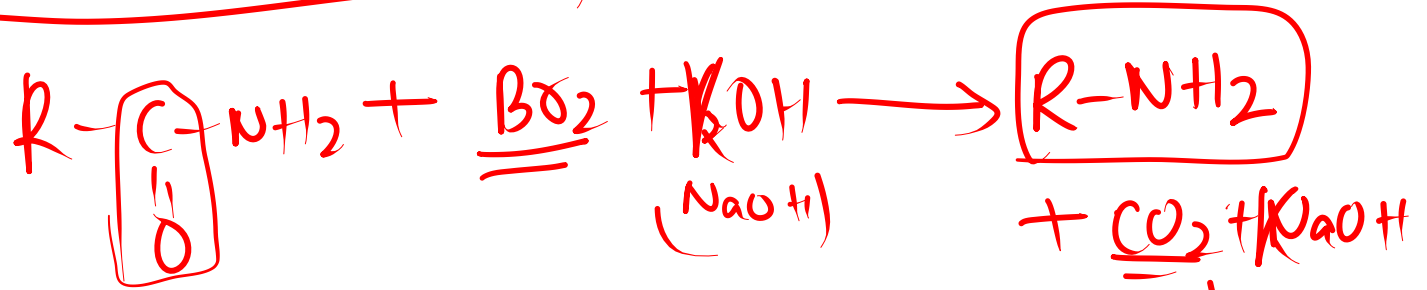
Q. Which of the following Amines can't be prepared by Gabriel's

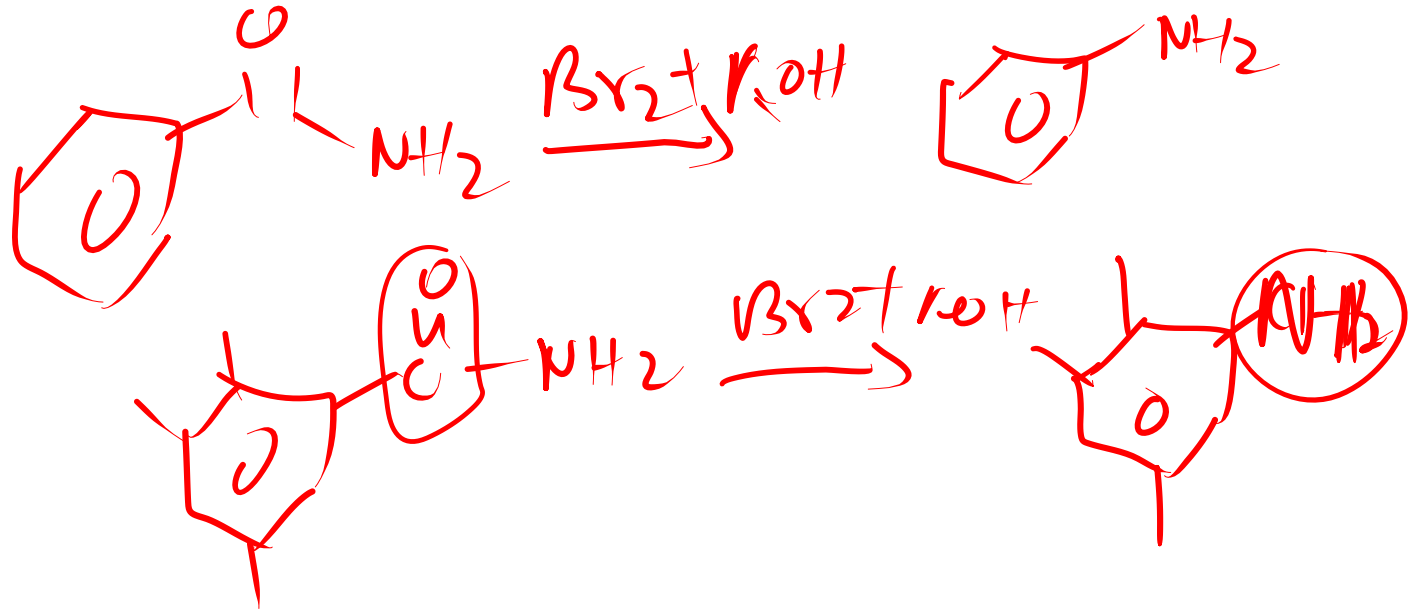


(b)



# Hofmann Bismamide degradation rxn





B.P

Alcohol > 1° Amine > 2° A > 3° Amine

Carbonyl Acid

