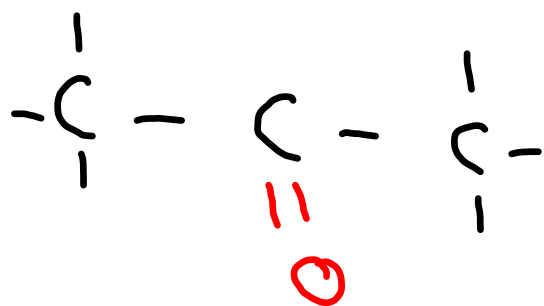
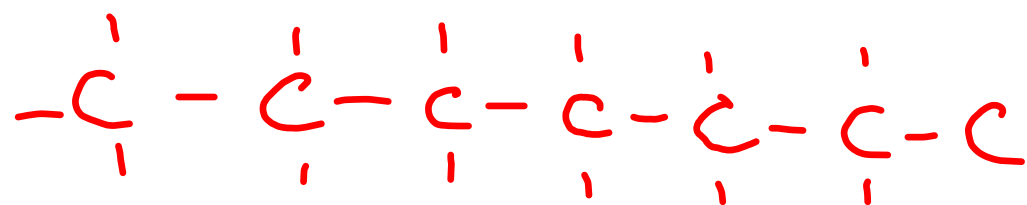


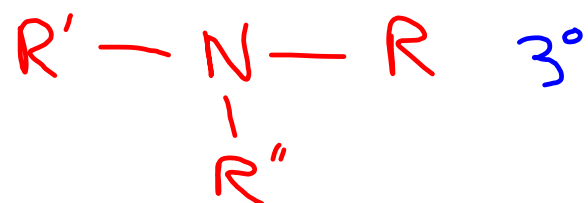
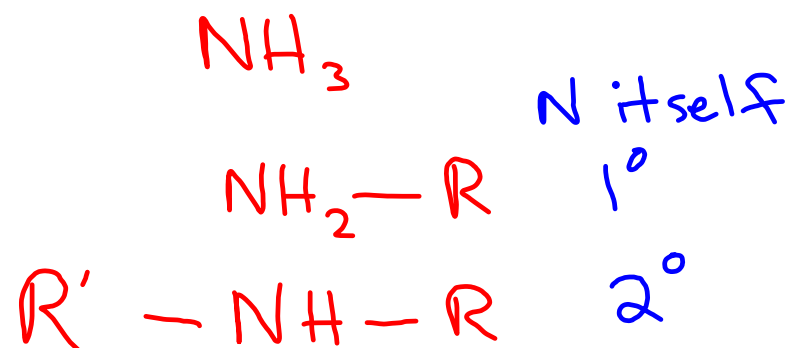
1. a.)  $\checkmark$   $\text{NH}_2$   $\text{CH}_3\text{CH}_2\text{NH}$   
not as polar as  $\text{OH}$

b)  $\text{NH}_2$  is polar

$\text{C}-\text{C}-\text{C}-\text{C}$  Vander Waals

$\text{C}-\text{C}-\text{C}-\text{N}-\text{H}$  hydrogen  
 $\delta^- \quad \delta^+$  bonds





must have 3 bonds

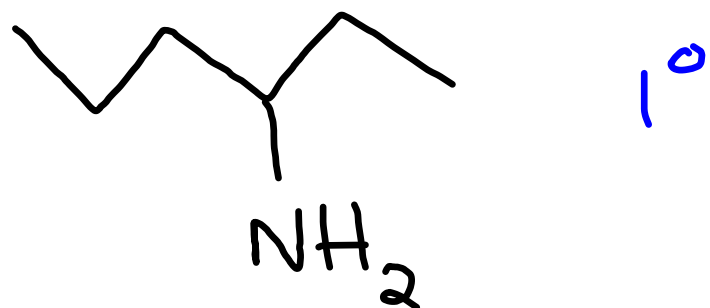
3. primary can have hydrogen bonds but tertiary cannot



2- butanamine ✓

2- butyl amine ✓

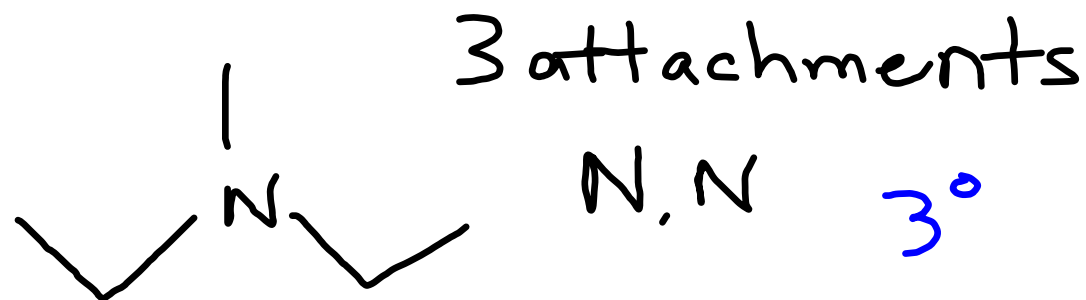
2- amino butane



3- hexan amine

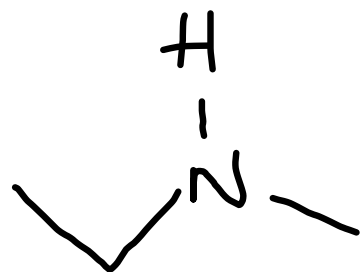
3- hexyl amine

3- aminohexane



N,N-diethylmethanamine

N,N-diethylmethanamine

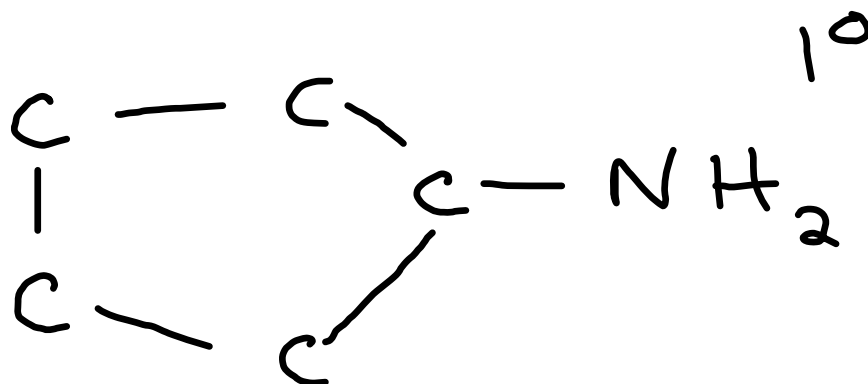


2°

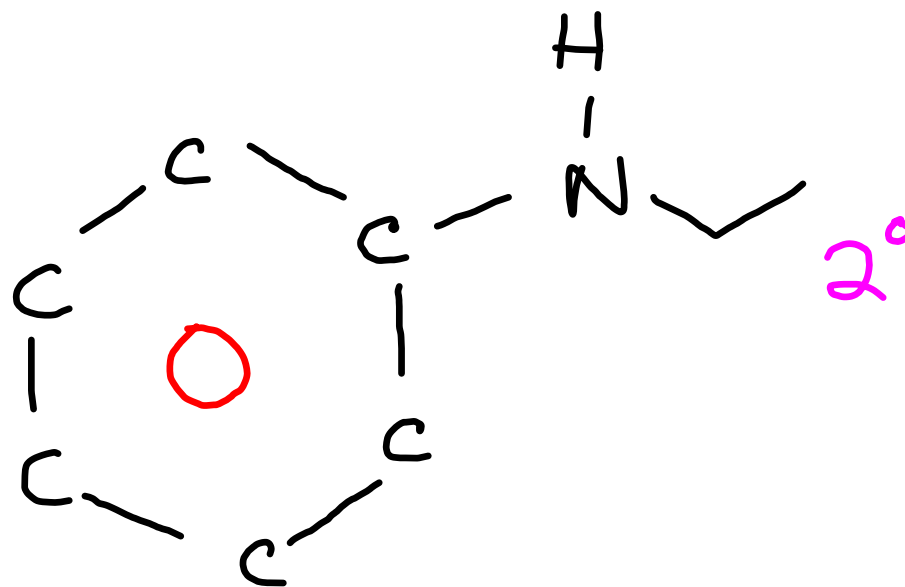
N-ethylmethanamine

- ✓ N-ethylmethanamine
  - ✓ N-methyl ethylamine
  - ✓ N-methyl ethanamine
- } same

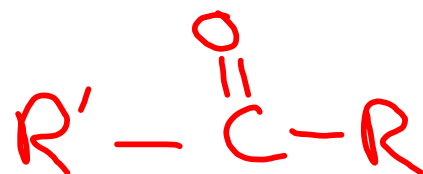
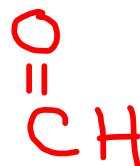
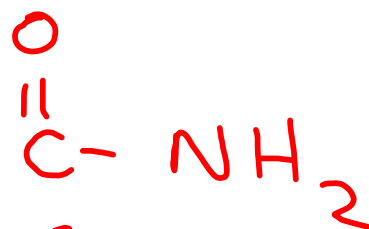
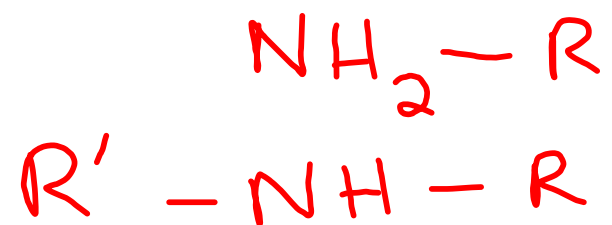
want to name it after  
the longest chain

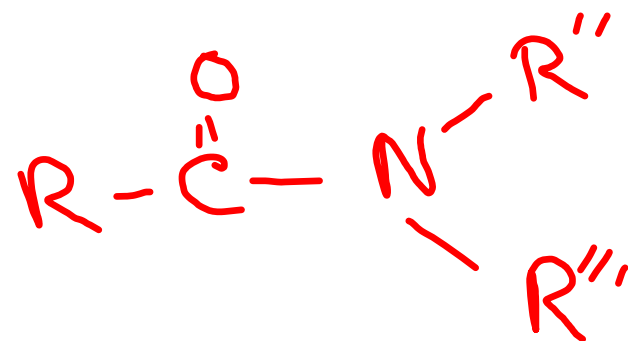
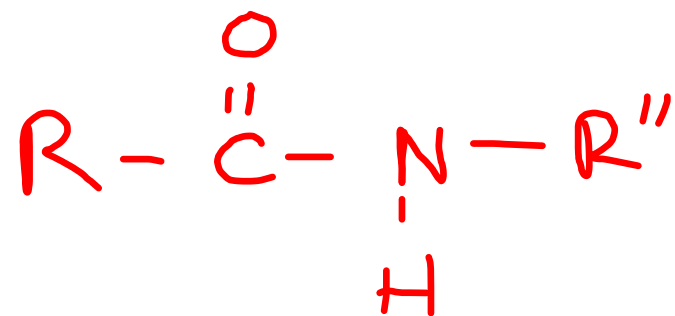
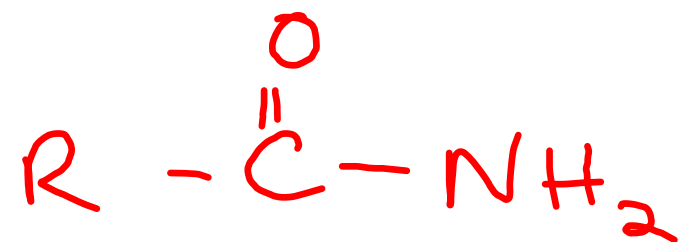


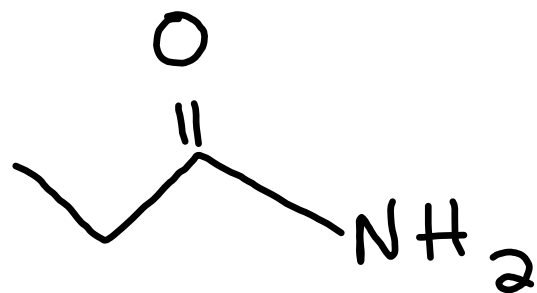
cyclopentanamine  
cyclopentylamine



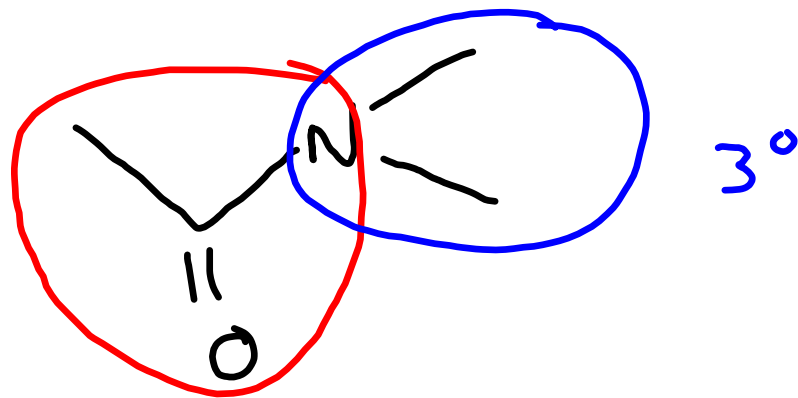
N-ethyl benzyl amine  
N-ethyl phenylamine  
N-ethyl bezenamine



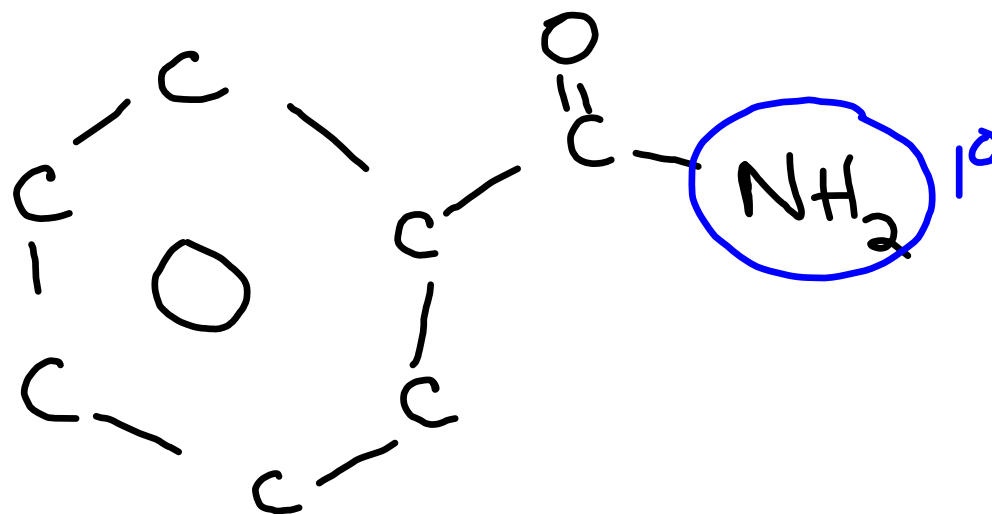




propanamide



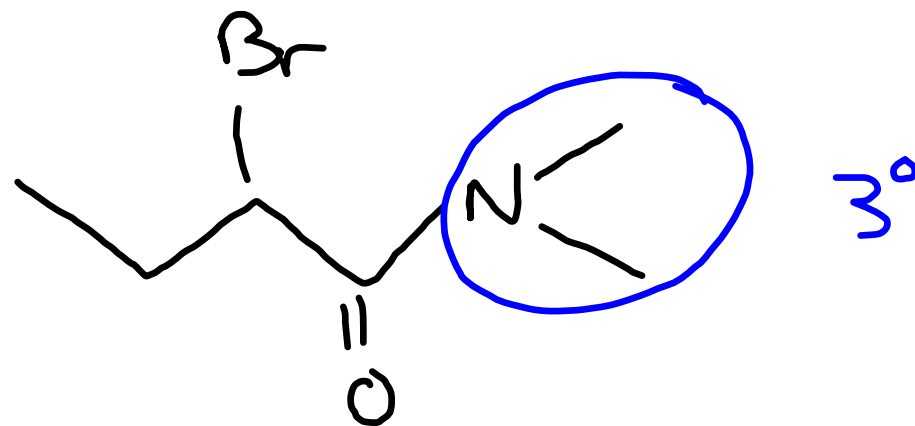
N,N dimethyl ethanamide



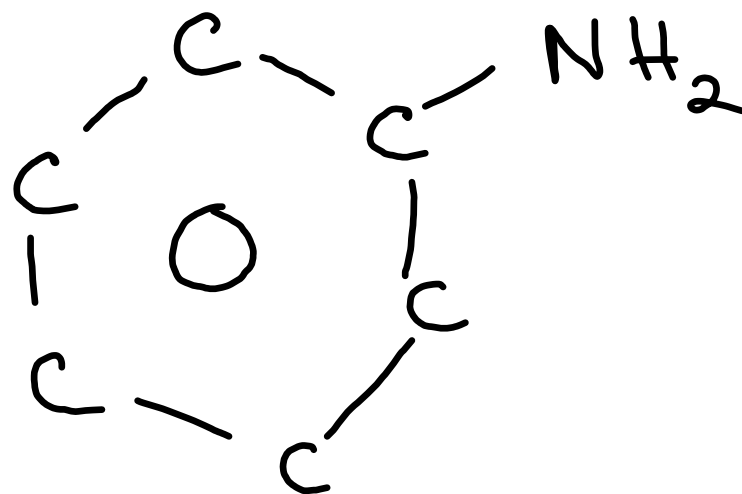
phenylamide

benzenamide

benzylamide



N,N-dimethyl 2-bromide  
butanamide



aniline

benzylamine.

benzenamine  
phenylamine

