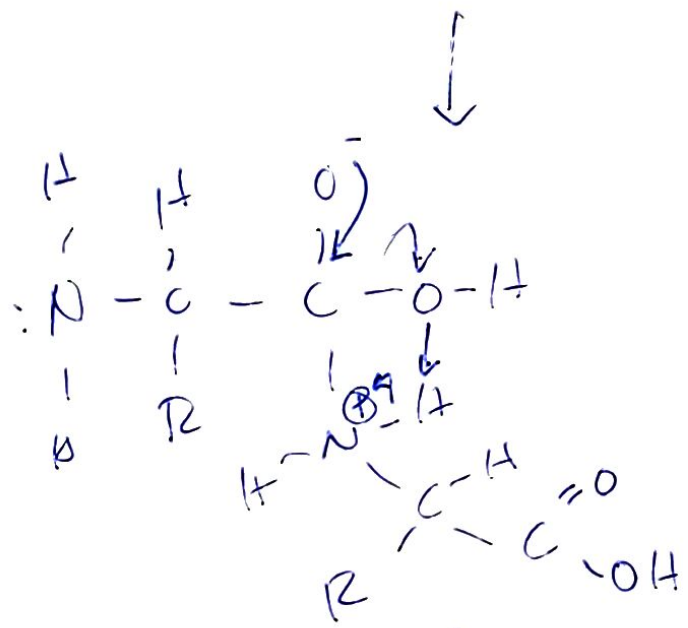
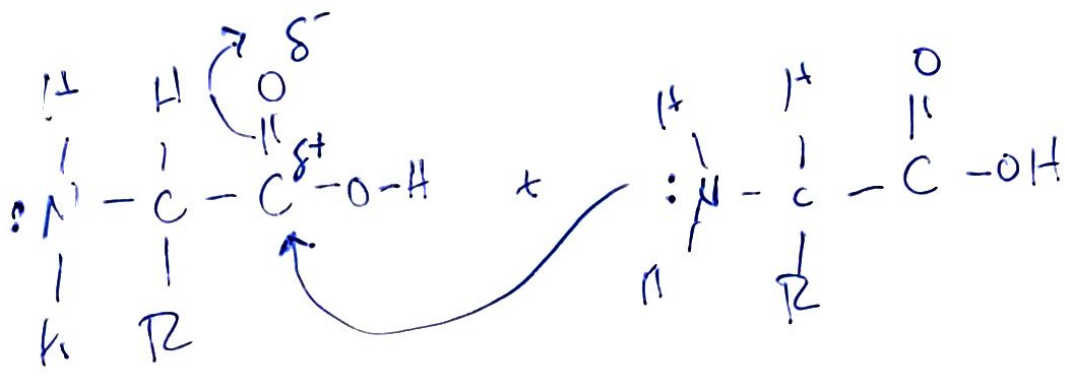
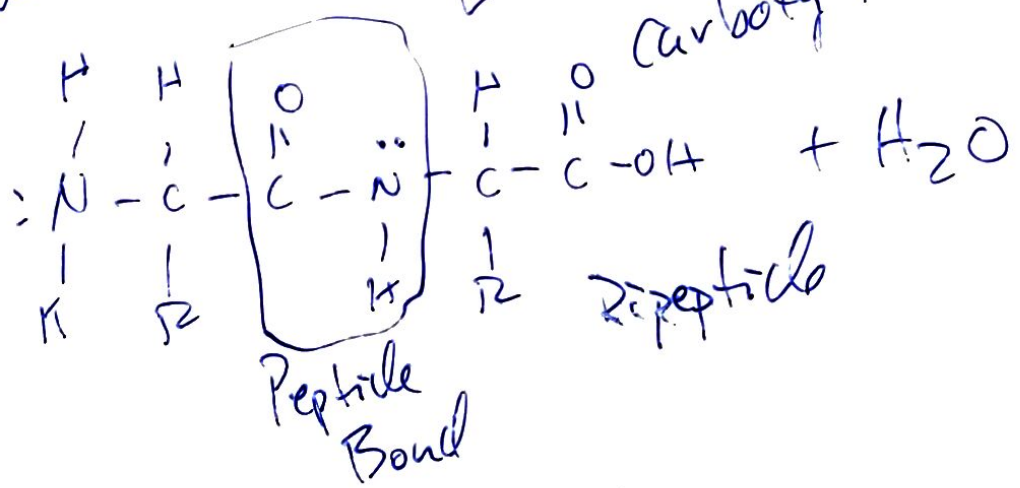


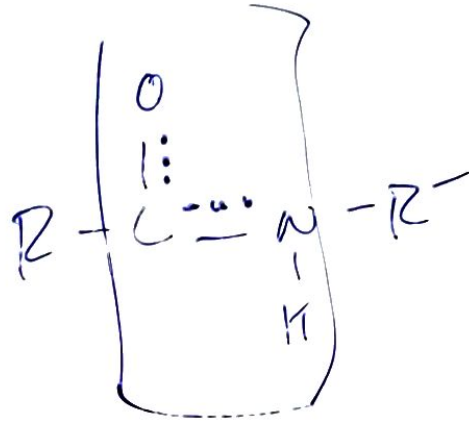
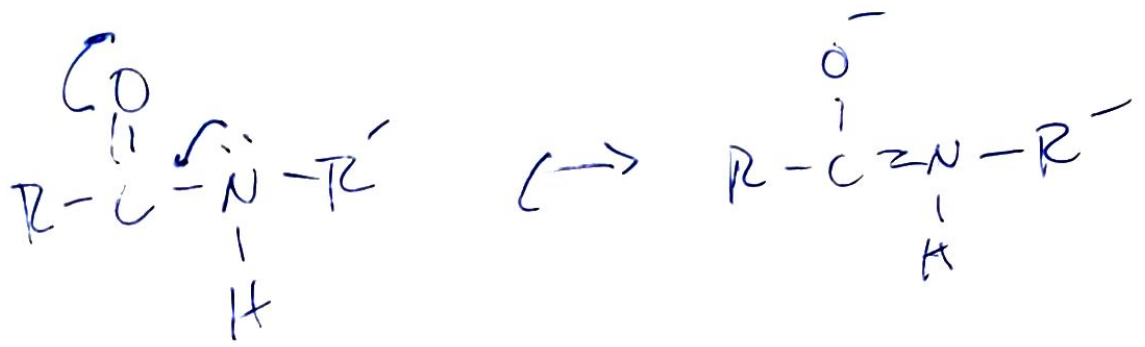
# 25 September CHEM 106 #



Amino terminus

Carboxy terminus





Hydrogen bonds only exist  
 b/w dipoles that are

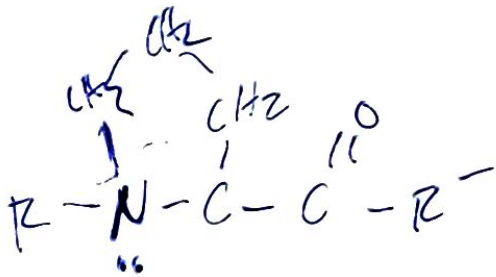
$$2.75 - 3.25 \text{ \AA}$$

$$(1 \text{ \AA} = 1 \times 10^{-10} \text{ m})$$

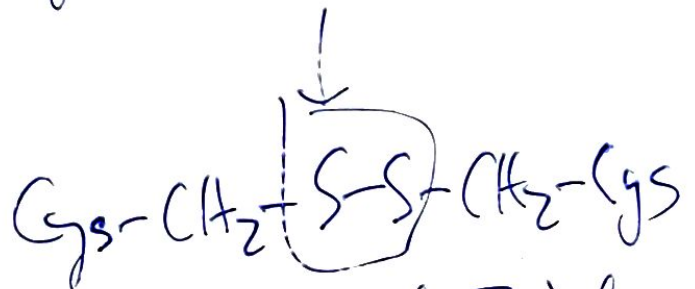
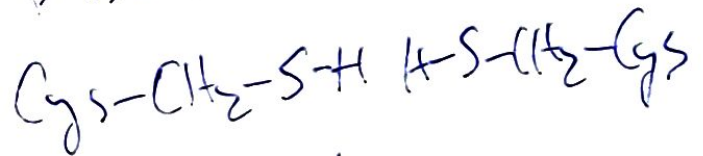
$\beta$  strands  $\phi, \psi$   $-120, +160$   
 $\alpha$ -helix  $\phi, \psi$   $-90, -90$

- All 2° Structures Abonds are  
 between  $C=O$  and  $H-N$   
 Start goes towards

- 2° Structures can be  
 Amphipathic



Disulfide



Disulfide Bridges  
 usually extracellular  
 Cytosol is reducing