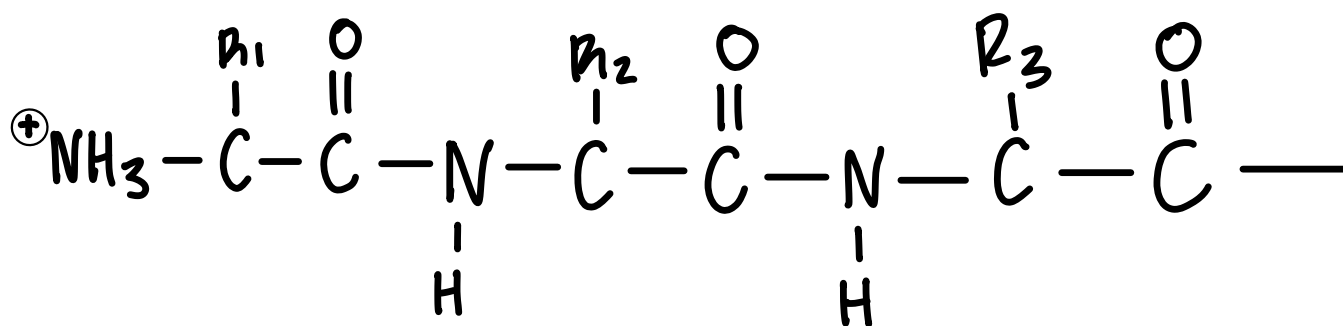


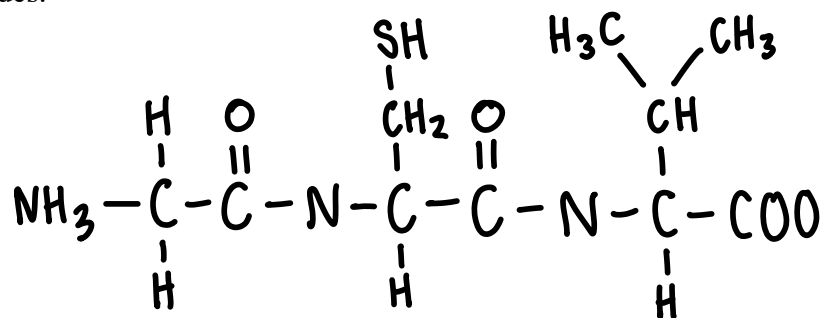
Session 5

09/17

1. Label the following on the image below: Peptide bond, Dipeptide, Amino Acid(s), Peptide Backbone, C-Terminus, and N-Terminus. Also, circle the groups that are “fixed/rigid” and which can freely rotate? Why are these groups able to rotate?



2. What amino acid is special in regard to the rules above? Why is it special and is its “nickname”?
3. Provide the name of the following image using its full name, their 3 letter codes, and their 1 letter codes.



4. Draw the following amino acid sequence. Give it its additional names.

TLPS

5. Define what a primary structure is.

6. Define what a secondary structure is. Give examples learned in class.

7. What interactions are present in a secondary structure?