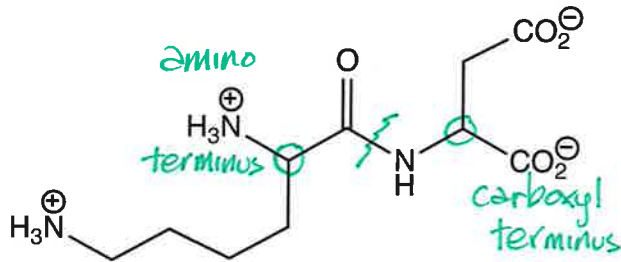


Chemistry 240
Prof. B. Hanson
Spring 2018

Name: KEY

Quiz #2

Here is a lovely dipeptide drawn as it would appear at physiological pH.



1. Label the amino terminus.
2. Label the carboxyl terminus.
3. Put a wavy line through any peptide bonds.
4. Circle any α -carbons.
5. What would the charge be on this dipeptide at pH = 12?

-2

↑
due to 2 carboxylates
ammonium ions have
been deprotonated at pH 12
and are neutral