

1. Draw the tetrapeptide that would be identified as: VDYK at a pH of 8.0. Be sure to draw all atoms and include the correct side chains and peptide bonds.
2. True or False: Only polar and charged amino acids can be involved in secondary structuring. Explain your answer
3. A 0.01 M solution of Alanine is maintained at a pH of 4.5
 - a. Draw the forms of Alanine that would be in solution.
 - b. Draw the graph that would represent the titration of Alanine with a strong base (NaOH)
 - c. Find the concentration for each form of alanine at the 4.5 pH level.