

Exercise 2 — Peptides

1. Draw the appropriate titration curve for the tripeptide Met-Val-Lys, starting at pH 1 and ending at pH 12. On the curve label the pK_a s and the pI . Below the titration curve, using structures, show the equilibria that occur at the buffering region(s) and the equivalence point(s).

2. Draw the structure of the peptide Arg-Met-His-Val-Glu

3. Estimate a pI for the peptide above.