

5. Are small peptides physiologically active?























































## Questions:

- For the dipeptide Tyr-Asp, find *pI* (the pKs are α-amino 9.2, phenolic 10.5, β-carboxylate 3.9, α-carboxylate 2.0).
- 2. For the dipeptide Lys-Glu, find pI (the pKs are  $\alpha$ -amino 9.1,  $\epsilon$ -amino 10.5,  $\gamma$ -carboxylate 4.1,  $\alpha$ -carboxylate 2.1).



