

7. What is the net charge of the tetrapeptide Ala-His-Cys-Ser at pH 5?

- a. +2
- b. +1**
- c. 0
- d. -1
- e. -2

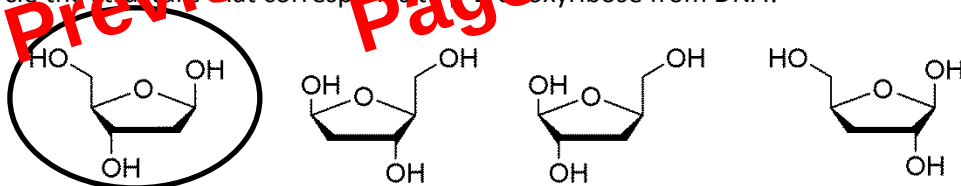
8. Which two amino acids have amides in their side chains?

- a. serine and Thr
- b. F and Trp
- c. Arginine and Gln
- d. Q and Asparagine**

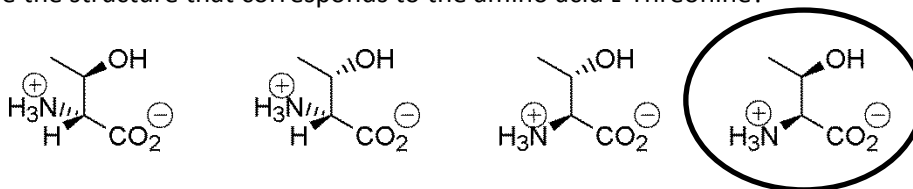
9. Which bases pair together in DNA?

- a. Guanine and cysteine
- b. Adenine and uracil
- c. Guanine and adenine
- d. cytosine and Guanine**

10. Circle the structure that corresponds to β -D-glucopyranose from DNA?



11. Circle the structure that corresponds to the amino acid L-Threonine?



12. What is the side chain pKa for Arg?

- a. 4.0
- b. 6.0
- c. 8.4
- d. 10.5
- e. 12.5**