Quiz 2

Name: ______________________________________________________

1. Fill in the three-letter code of the missing amino acids in the following sentences (2 points per correct answer):

_____ can form disulfide bridges.

_____ is not chiral.

_____ is the three-letter code for Q.

_____ has a double ring in its side chain.

_____ , _____, and _____ have –OH groups in their side chains.

2. Identify the individual amino acids (name, one- or three-letter code) in the following polypeptide (1 point for each correct amino acid):

3. Sort the following types of secondary structure in order of number of residues between H-bonding partners: (3 points for correct order, 1 point for one placed correctly, 0 points for all in wrong order)?

(a) α-helix          (b) 3_{10} helix          (c) π helix

______ has fewest residues between H-bonding partners

______ has medium number of residues between H-bonding partners

______ has largest number of residues between H-bonding partners