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):

   ![Polypeptide Image]

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