CARDIOVASCULAR DISEASE PROBLEM # 1
CHEMISTRY 161
Spring, 2009

Homocysteine is an amino acid that has been linked to increased risk for cardiovascular disease.

1. Draw the structures of cysteine and homocysteine.
   a. At pH 4

   b. At pH 7

2. What is the typical form of cysteine in proteins? Draw an example.

3. How is homocysteine linked to CVD? Answer briefly and cite your source.

4. What is a healthy blood level of homocysteine? Cite your source.