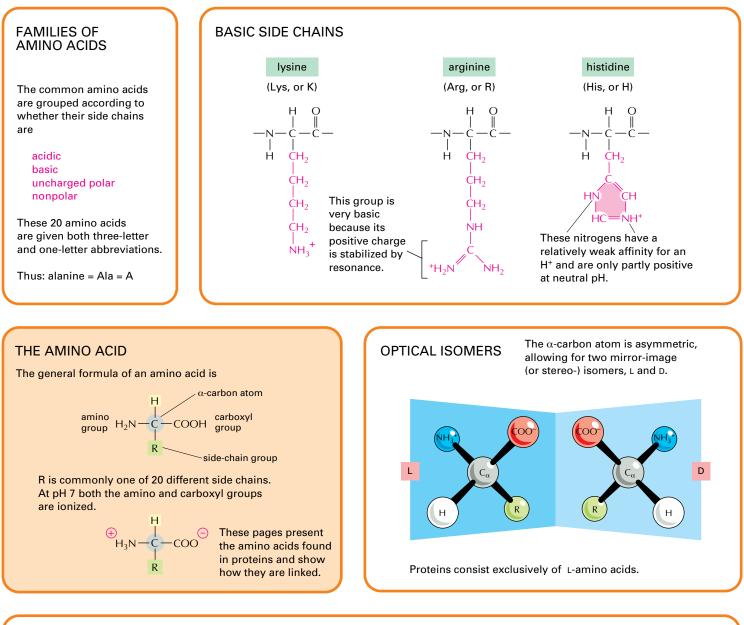
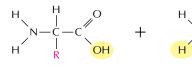
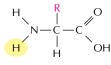
Panel 2-5 The 20 amino acids found in proteins



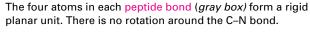
PEPTIDE BONDS

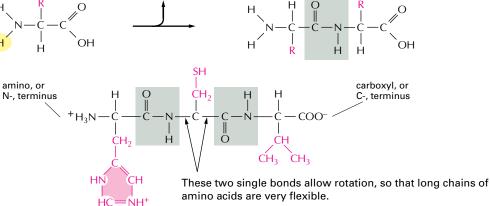
Amino acids are commonly joined together by an amide linkage, called a peptide bond.



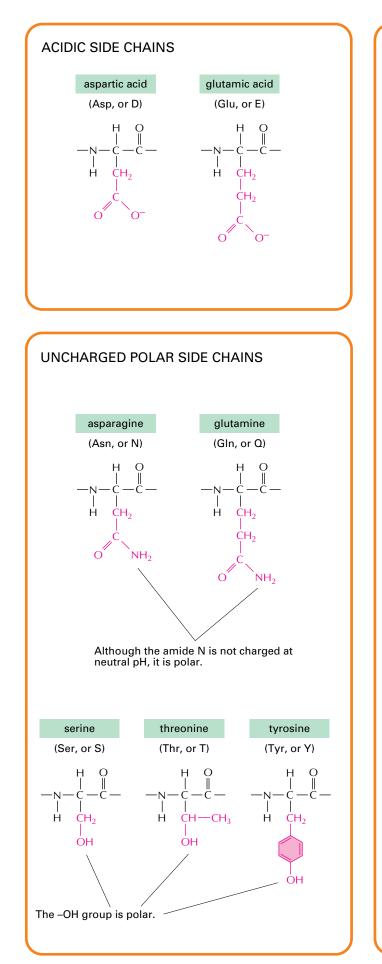


Proteins are long polymers of amino acids linked by peptide bonds, and they are always written with the N-terminus toward the left. The sequence of this tripeptide is histidine-cysteine-valine.

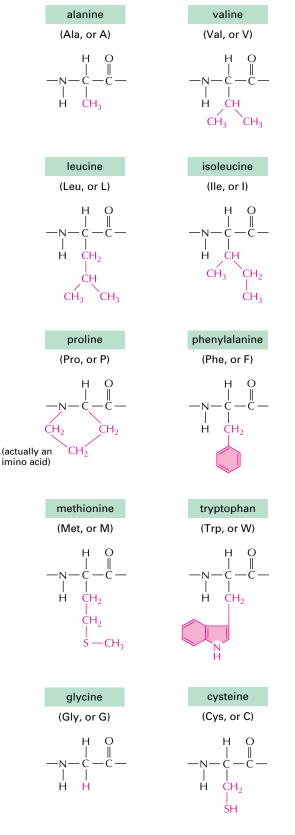




 H_2O



NONPOLAR SIDE CHAINS



Disulfide bonds can form between two cysteine side chains in proteins.

 $--CH_2 - S - S - CH_2 - -$