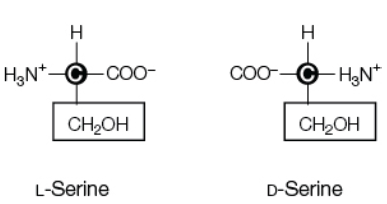
Amino Acids Quiz

1. The molecules in this figure are: 

**OPTICAL ISOMERS AND HYDROPHILIC**

1. An amino acid is considered both an acid and a base because it has an amino acid and a carboxyl function group, which are ionized by the addition or loss of

**A HYDROGEN ION**

1. Peptide chains have an \_\_\_\_ and a \_\_\_\_ end

**N TERMINUS; C TERMINUS**

1. A peptide linkage forms between

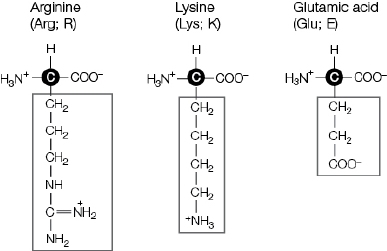
**AN AMINO GROUP AND A CARBOXYL GROUP**

1. Leucine and valine have side chains that \_\_\_, and thus are \_\_\_\_

**CONSIST ONLY OF C AND H; HYDROPHOBIC**

1. Aspartic acid and glutamic acid have side chains that \_\_\_\_\_, and thus are \_\_\_\_\_

**ARE ACIDID, HYDROPHILIC**

1. All three of the amino acids shown

**ARE HYDROPHILIC**

1. A disulfide bridge is formed by

**TWO CYSTEINE SIDE CHAINS**

1. The amino acid that contains a weakly acidic “phenolic” group is

**TYROSINE**

1. Which amino acids contain reactive aliphatic hydroxyl groups?

**SERINE AND THREONINE**