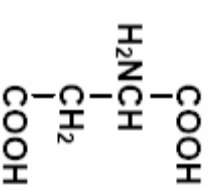
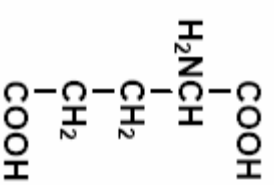
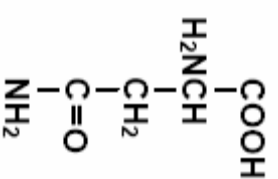
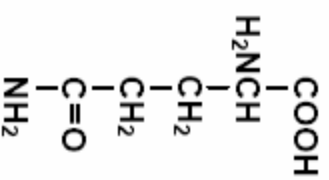
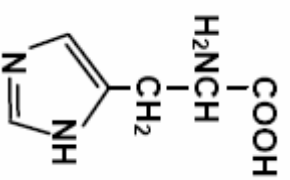
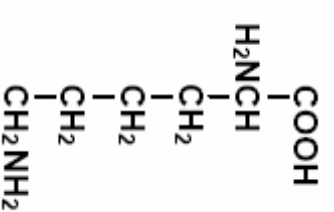
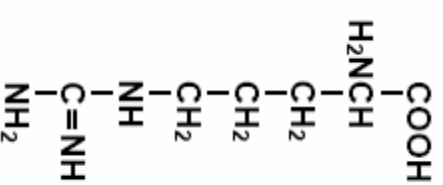
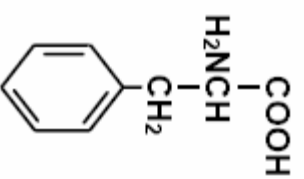
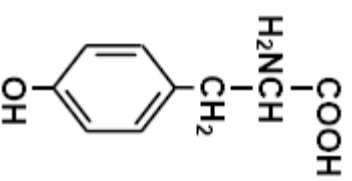
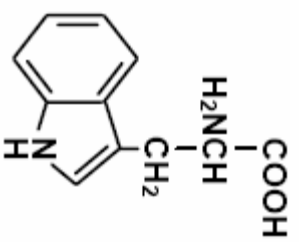
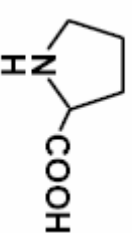
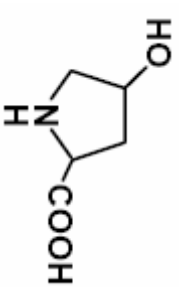
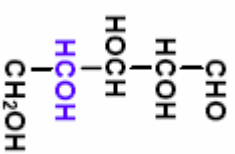
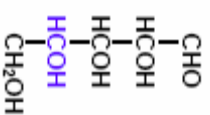
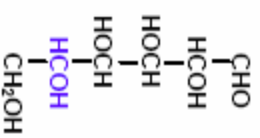
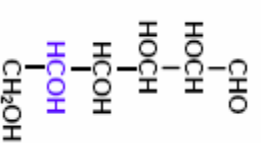
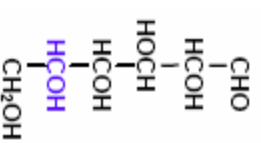
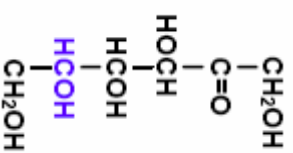
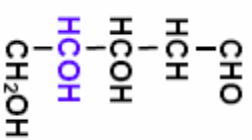
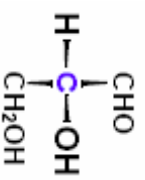


<p><b>Serine</b> Ser / S Hydroxy AA Hydrophilic</p>	<p><b>Threonine</b> Thr / T Hydroxy AA Hydrophilic</p>	<p><b>Cysteine</b> Cys / C Sulfur AA Hydrophilic  Acidic pKa 8.3 / charge 0</p>	<p><b>Methionine</b> Met / M Sulfur AA Hydrophobic</p>	<p><b>Homocysteine</b>  Sulfur AA</p>
<p><b>Glycine</b> Gly / G Simple AA</p>	<p><b>Alanine</b> Ala / A Simple AA Hydrophobic</p>	<p><b>Valine</b> Val / V Branch Chain AA Hydrophobic</p>	<p><b>Leucine</b> Leu / L Branch Chain AA Hydrophobic</p>	<p><b>Isoleucine</b> Ile / I Branch Chain AA Hydrophobic</p>



<p><b>Lysine</b></p> <p>Lys / K Basic AA Hydrophilic</p> <p>Basic pKa 10.8 / charge +1</p>	<p><b>Arginine</b></p> <p>Arg / R Basic AA Hydrophilic</p> <p>Basic pKa 12.5 / charge +1</p>	<p><b>Phenylalanine</b></p> <p>Phe / F Aromatic AA Hydrophobic</p>	<p><b>Tyrosine</b></p> <p>Tyr / Y Aromatic AA Hydrophobic</p> <p>Acidic pKa 10.9 / charge 0</p>	<p><b>Tryptophan</b></p> <p>Trp / W Aromatic AA Hydrophobic</p>
<p><b>Aspartic Acid</b></p> <p>Asp / D Dicarboxylic &amp; Amides Hydrophilic</p> <p>Acidic pKa 4.1 / charge -1</p>	<p><b>Glutamic Acid</b></p> <p>Glu / E Dicarboxylic &amp; Amides Hydrophilic</p> <p>Acidic pKa 4.1 / charge -1</p>	<p><b>Asparagine</b></p> <p>Asp / D Dicarboxylic &amp; Amides Hydrophilic</p>	<p><b>Glutamine</b></p> <p>Gln / Q Dicarboxylic &amp; Amides Hydrophilic</p>	<p><b>Histidine</b></p> <p>His / H Dicarboxylic &amp; Amides Hydrophilic</p> <p>Basic pKa 6.0 / charge 0</p>



<b>D-mannose</b>	<b>D-glucose</b>	<b>D-fructose</b>	<b>2 D-deoxyribose</b>	<b>D-glyceraldehyde</b>
<b>Proline</b> Pro / P Imino Acid Hydrophobic	<b>4-Hydroxyproline</b> Imino Acid	<b>D-xylose</b>	<b>D-ribose</b>	<b>D-galactose</b>