

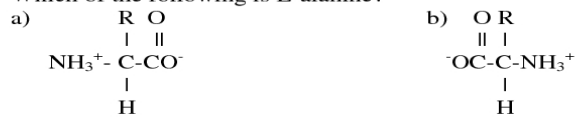
**Practice Worksheet for Final Exam (Chapters 29,30,31,33 and cumulative)**

**Note: You should use this worksheet to practice AFTER you have studied! Use the study guides to guide you as to which homework problems to go over BEFORE you use this worksheet to practice.**

- 1) How many chiral carbons does the amino acid glycine have?  
a) 0  
b) 1  
c) 2

- 2) Which type of amino acids do all organisms on earth use?  
a) D-amino acids  
b) L-amino acids

- 3) Which of the following is L-alanine?



- 4) What makes an amino acid "essential"?

- 5) A peptide bond can be classified as an  
a) Ether bond  
b) Ester bond  
c) Amide bond  
d) Amine bond

- 6) The sequence of amino acids in a polypeptide is known as  
a) Primary structure  
b) Secondary structure  
c) Tertiary structure  
d) Quaternary structure

- 7) The overall three-dimensional shape of a polypeptide is known as  
a) Primary structure  
b) Secondary structure  
c) Tertiary structure  
d) Quaternary structure

- 8) The local folding of a peptide backbone is known as...  
a) Primary structure  
b) Secondary structure  
c) Tertiary structure  
d) Quaternary structure