**Example Questions for Dr. Lyons' Amino Acid Lectures**

Here's a fairly simple question. There's usually a couple of these on each test. My intent is that you should be able to go through the answers and tick them off pretty quickly:

1. Degradation of each of the following amino acids starts with transamination, EXCEPT ONE. Choose the exception.
   
   A. Alanine
   B. Phenylalanine
   C. Isoleucine
   D. Valine

Some questions will be more complex questions - they require you to think about each answer, and each one might test you on different specific points:

2. Which one of the following statements is FALSE?
   
   A. A burn victim may show a negative nitrogen balance..
   B. The classic 'fight-or-flight' response hormone is a derivative of tyrosine.
   C. Methionine is an essential amino acid.
   D. Glycine can be converted to serine by a single enzymatic reaction.
   E. We synthesize Leucine from a THF derivative.

An example of a somewhat more difficult question:

3. Which one of the following statements regarding Urea Cycle Defects is TRUE?
   
   A. Citrulline is a substrate in the argininosuccinase reaction.
   B. A patient with AD will need supplementary arginine in the diet.
   C. A patient with N-acetyl glutamate synthetase deficiency will show orotic aciduria.
   D. None of the UCD's cause higher citrulline levels in the urine.
   E. Intravenous sodium benzoate will help a UCD patient eliminate excess nitrogen.