Quiz #3
AVS 305
November 9, 1998

1. Why is lysine often added to the diets of growing swine and poultry? (3 points)
   Because it is the first limiting amino acid and therefore without it a deficiency would occur.

2. Name a branched chain amino acid. (2 points)
   Glutamine, valine, etc.

3. What do ruminants get the majority of their amino acids from? (2 points) Is it a good source? (2 points)
   Microbes. Both production by microbes and by the death of those microbes
   Yes.

4. Urea nitrogen is a product that results from what? (3 points)
   Oxidative deamination of amino acids

5. Where is the urea formed? (2 points)
   In the liver.

6. What determines the mineral content of a feed? (3 points)
   It is determined by the mineral content of the soil where that feed grows.

7. Can the body make its own minerals? (2 points)
   No - needs them to be brought into the body.

8. For the following vitamins, give their classification. (2 points each)
   Tocopherol Vitamin E - Fat soluble
   Ascorbic acid Vitamin C - Water soluble
   Niacin Vitamin B - Water soluble