

Chapter 41: Animal Nutrition

1. Explain the three nutritional needs an adequate diet must satisfy.
2. What are *essential amino acids*? What must vegetarians do in order to obtain them?
3. Table 41.1 in your text presents a comprehensive list of vitamins, their dietary sources and functions, and the symptoms of deficiency. Which category of vitamin, *water soluble* or *fat soluble*, is most likely to result in overdose? Why?
4. Complete this chart to gain an understanding of the most common deficiency disorders as well as common vitamin sources.

Deficiency Disorder	Symptoms	Vitamin Deficient?	Dietary Source?
Beriberi			
Scurvy			
Rickets			
	Neural tube defects in babies (see end of concept)		
	Blindness		

5. Complete this chart on mineral requirements to understand the important role of these selected minerals in our diet.

Mineral	Major Functions/Deficiency Symptoms	Dietary Source?
Calcium		
Phosphorus		
Sulfur		
Potassium		
Chloride		
Sodium		
Magnesium		
Iron		

Chapter 41 Animal Nutrition Study Guide Answers

Nicola Duffield



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