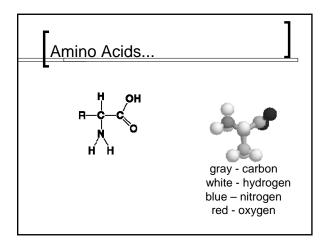
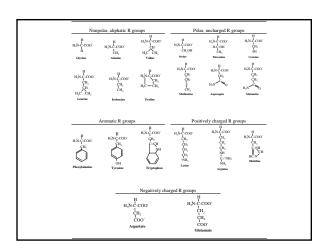
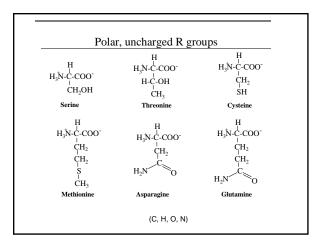


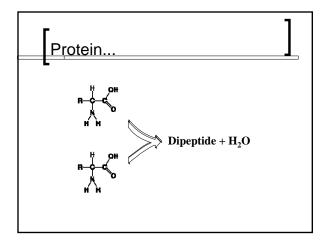


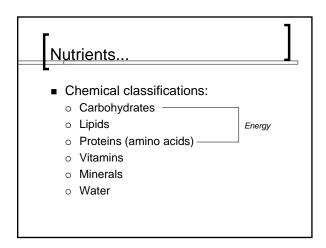
- Amino acids
  - Amino (NH<sub>2</sub>) group and carboxyl (COOH) group, with asymmetric carbon (except glycine)

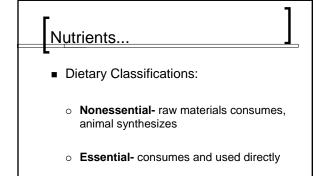




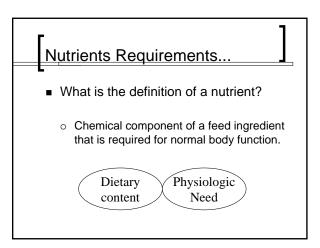


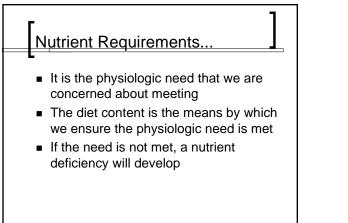


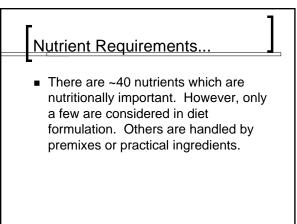


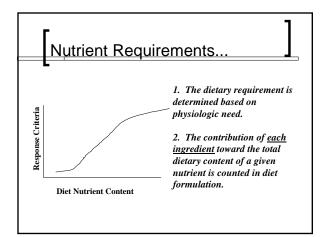


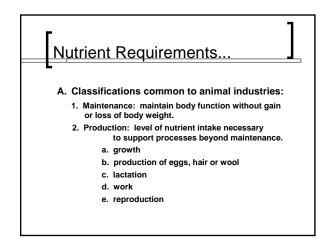
Typically used to refer to amino acids and fatty acids

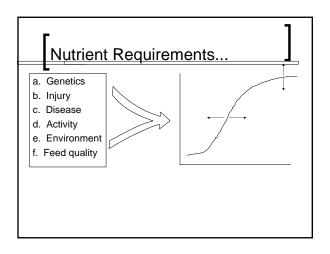


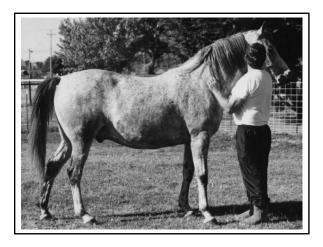








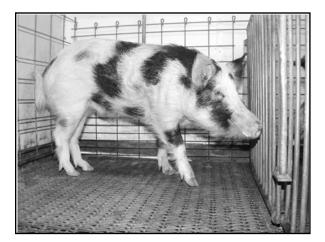


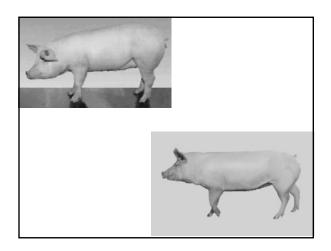






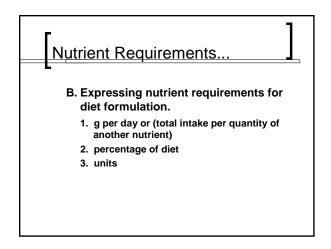


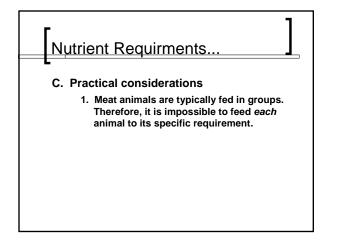


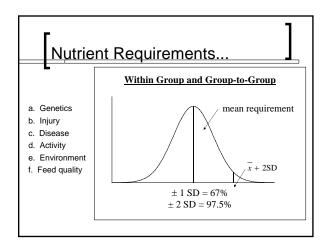






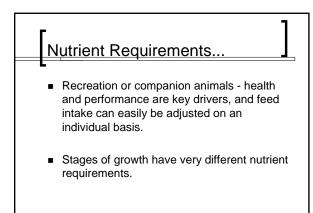


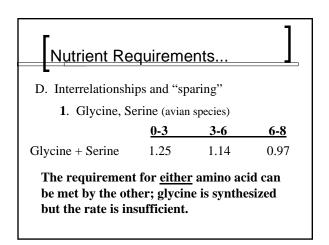




## Nutrient Requirements...

 The objective for food animals is to feed nutrients at concentrations that provide optimal performance and cost per unit of gain/production for the majority of the population.





Nutrient Req			]
<b>2.</b> Methionir	ie, Cystin	ie	
	<u>0-3</u>	3-6	6-8
Methionine	0.50	0.38	0.32
Methionine+cystine	0.90	0.72	0.60
The requirement methionine, or a and cystine; the <u>must</u> be met by n	combina methioni	tion of met ine require	hionine

