- If a nutrient is not small enough it cannot? Enter the bloodstream
- Break down the Nutrient Molecules:

Protein ----> Peptides ----> Amino acids

Carbohydrates	> Polysaccharides> Monosaccharides
Lipids>	Triglycerides> FFA and glycerol

Small Molecules

- Absorption depends on:

Large Nutrient Molecules

- 1) Size of molecule
- 2) Chemical properties
- 3) Site of absorption
- ADG- Average daily gain
- ADFI- Average daily feed intake
- F:G Feed efficiency, the lb of feed required to deposit a lb of gain
- G:F gain efficiency, the lb of gain deposited per lb of feed

List the Major Classes of Nutrients:

- 1) Water
- 2) Proteins
- 3) Carbohydrates
- 4) Lipids (Fats)
- 5) Vitamins
- 6) Minerals

Water: 85 to 45% of body weight

Intracellular: Within cells

Extracellular: Fluids surrounding cell

Neonate (baby) has: Largest % of body water proportionate to its size

What are 4 functions of water:

- 1) Transport of nutrients
- 2) Solvent for chemical reaction
- 3) Temperature control
- 4) Lubrication



