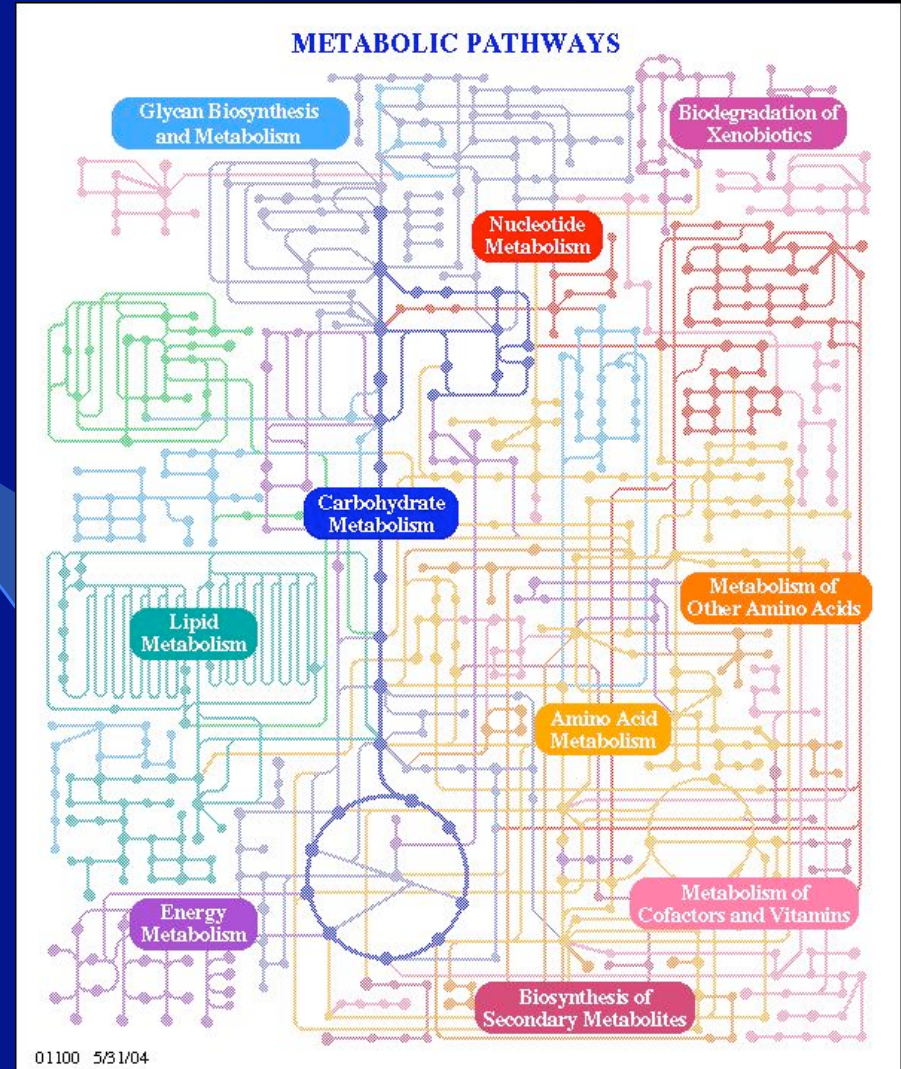
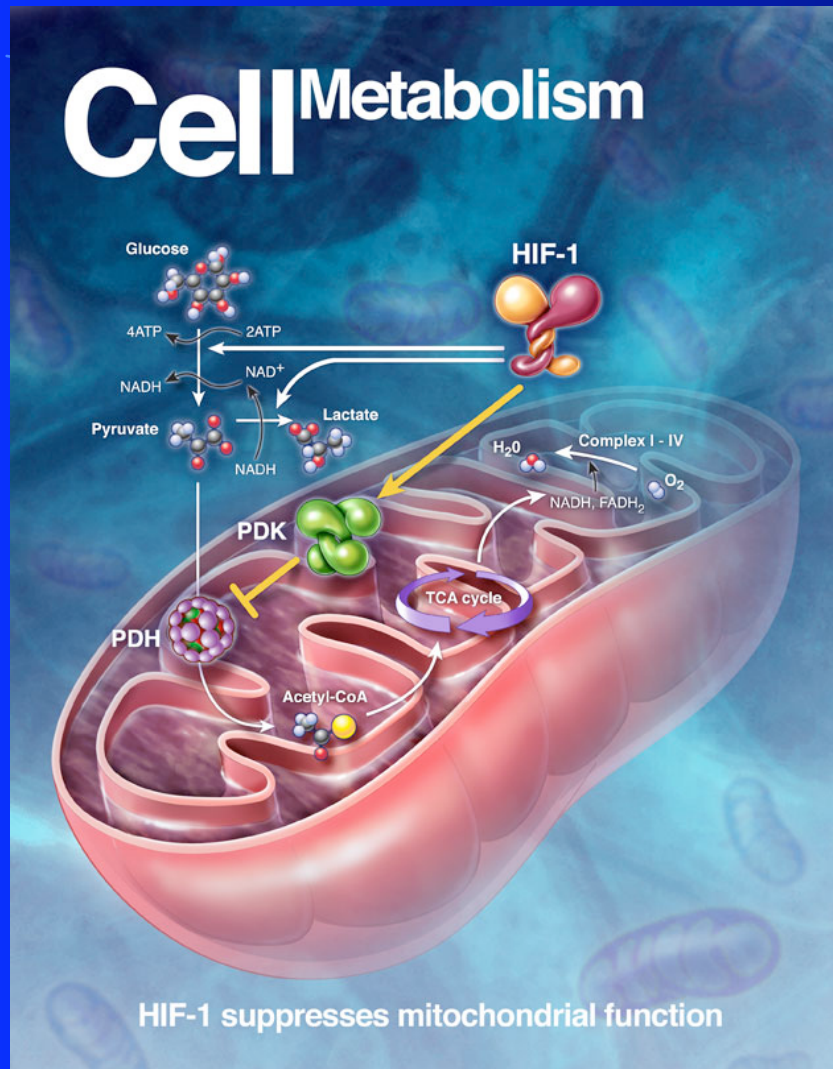


Cellular Metabolism



Anabolism vs. Catabolism

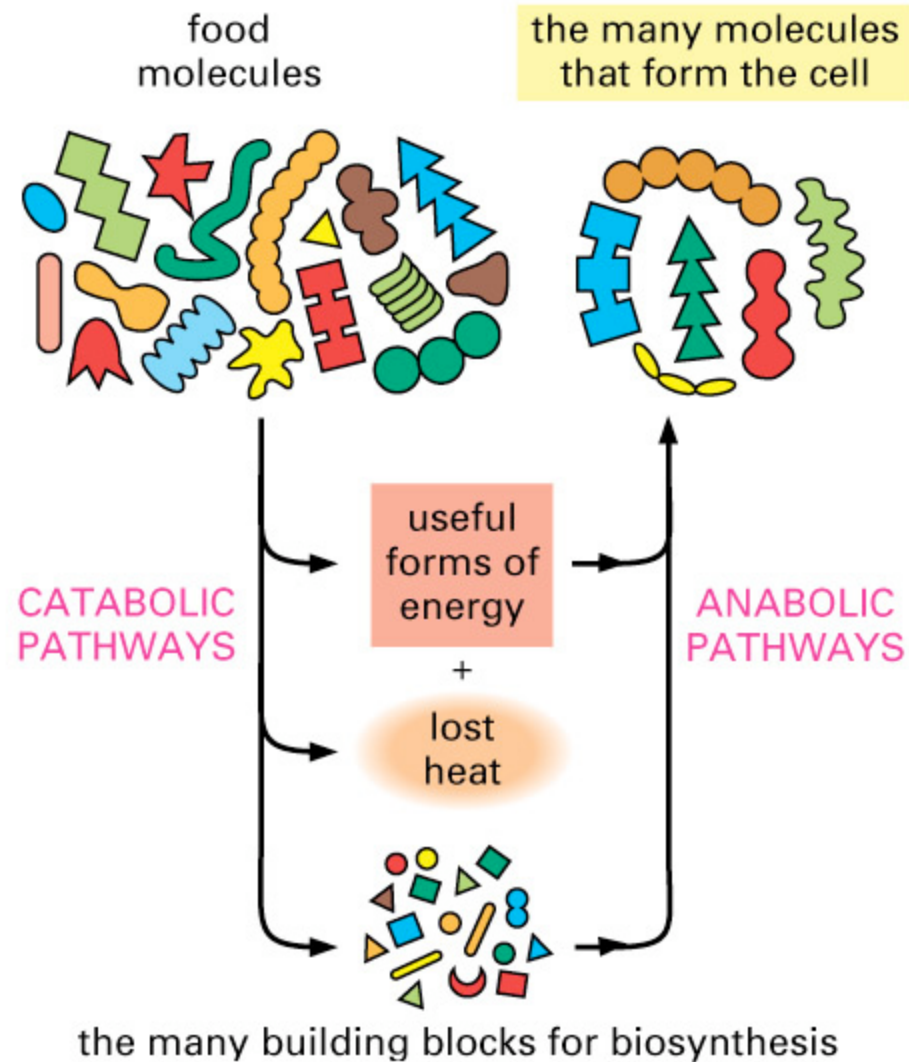


Figure 3-3 Essential Cell Biology, 2/e. (© 2004 Garland Science)

Anabolic Steroids



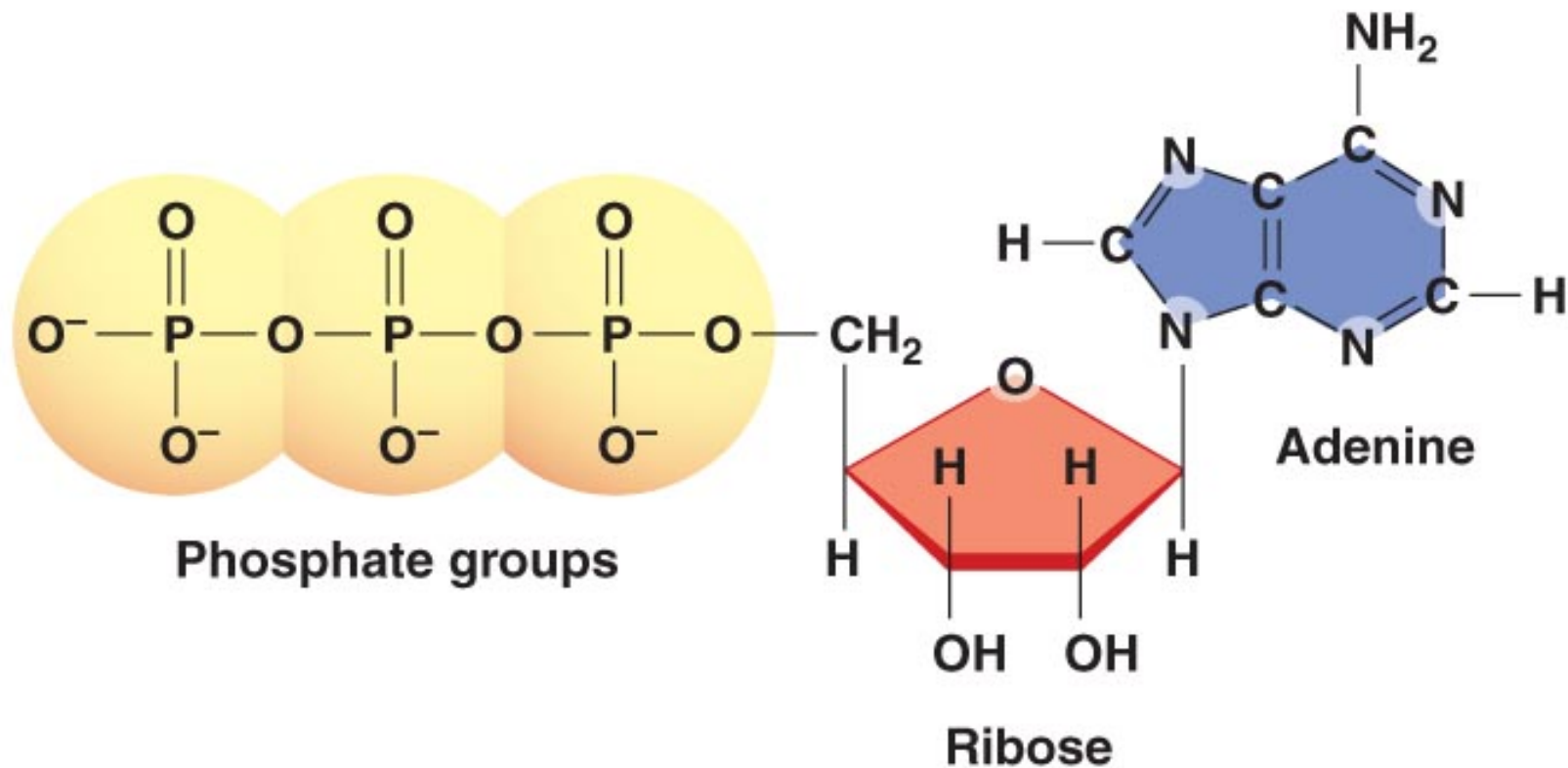


What are Carnivorous Plants?



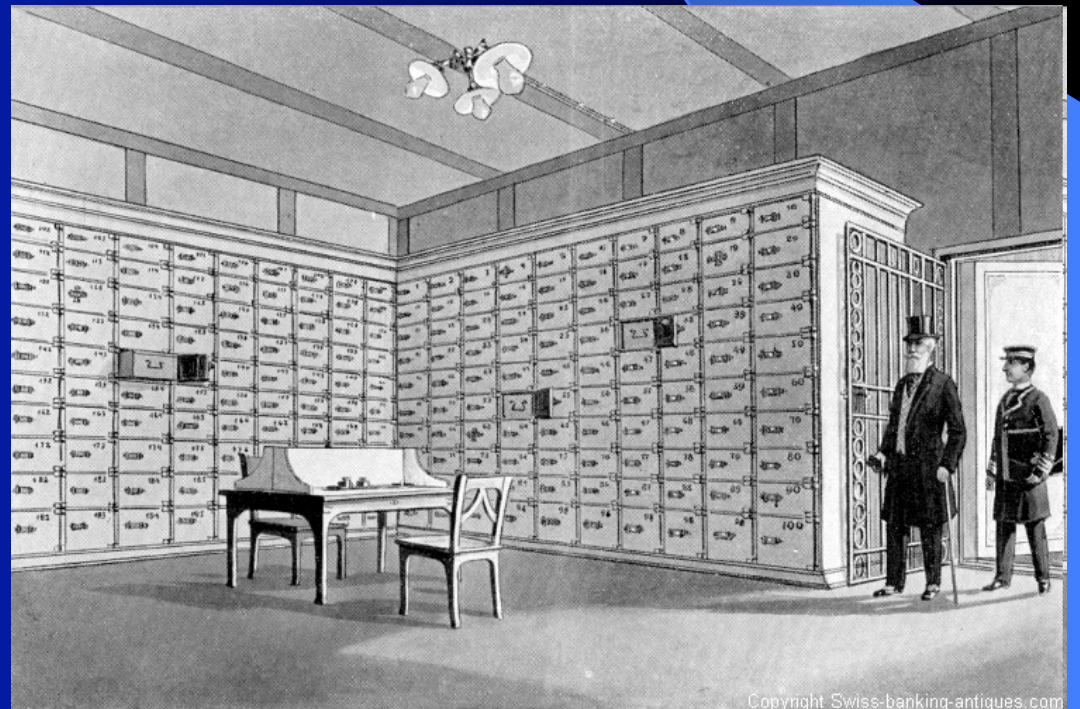
ATP

(a) ATP consists of three phosphate groups, ribose, and adenine.



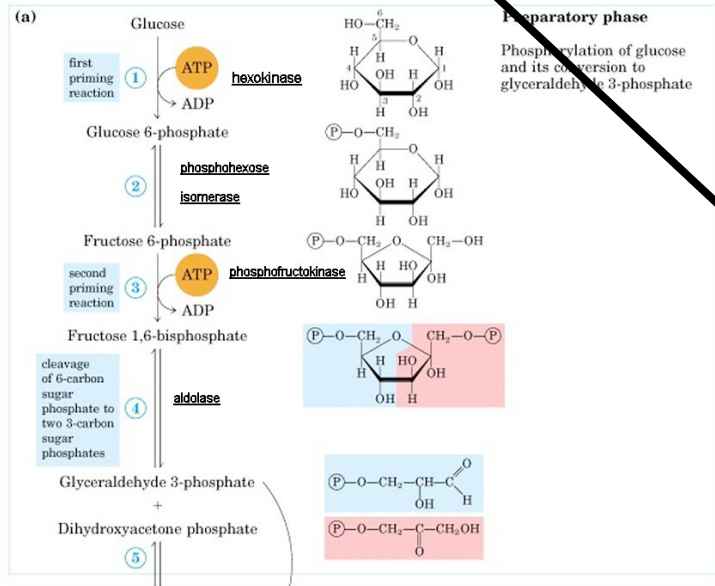


Analogy

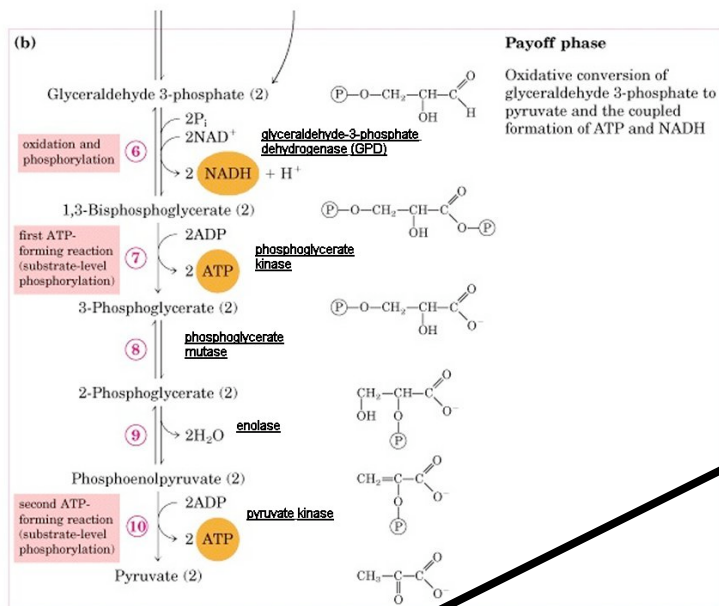


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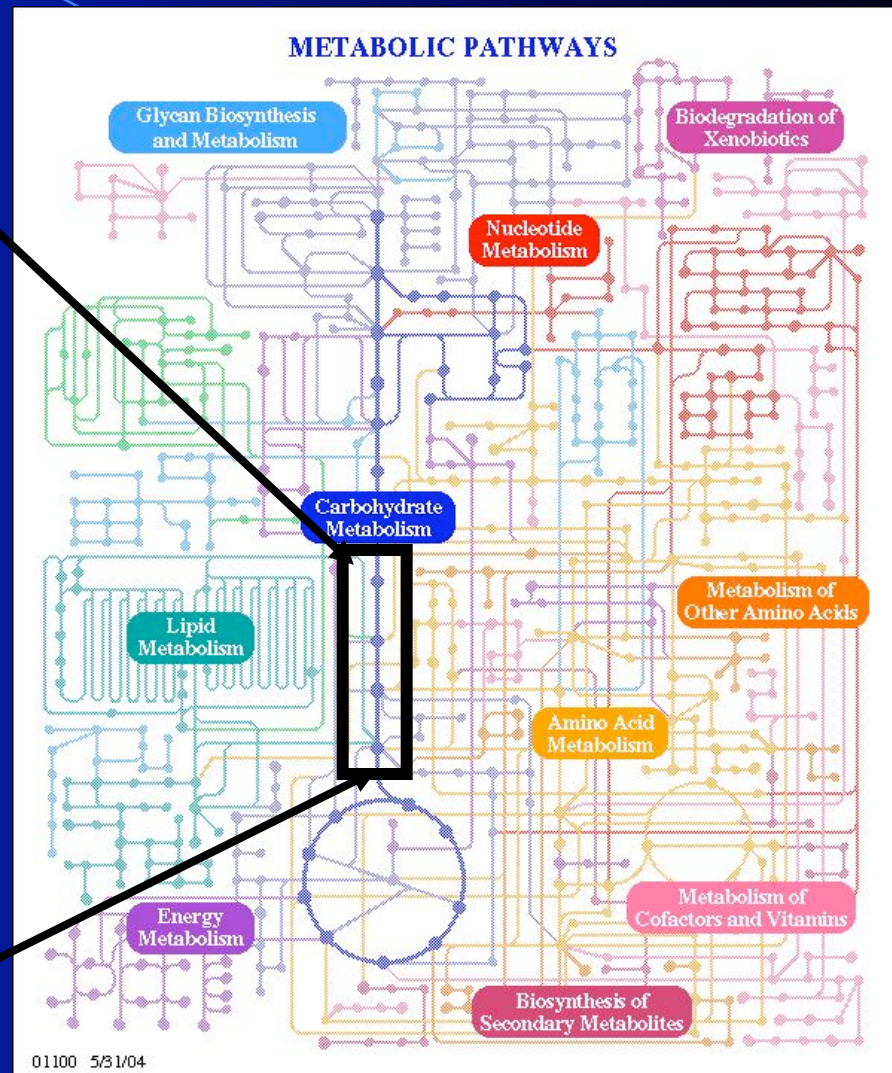
Glycolysis



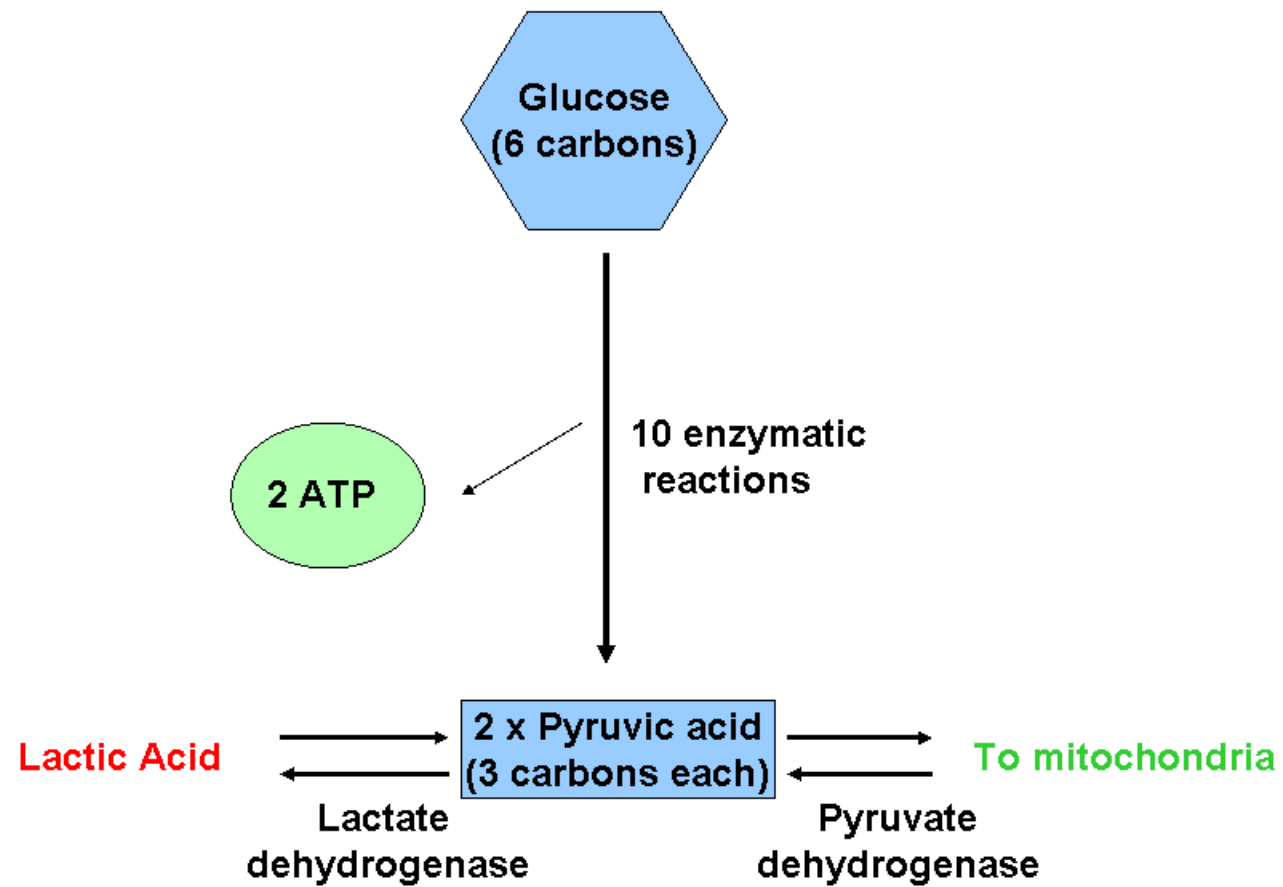
triose phosphate isomerase

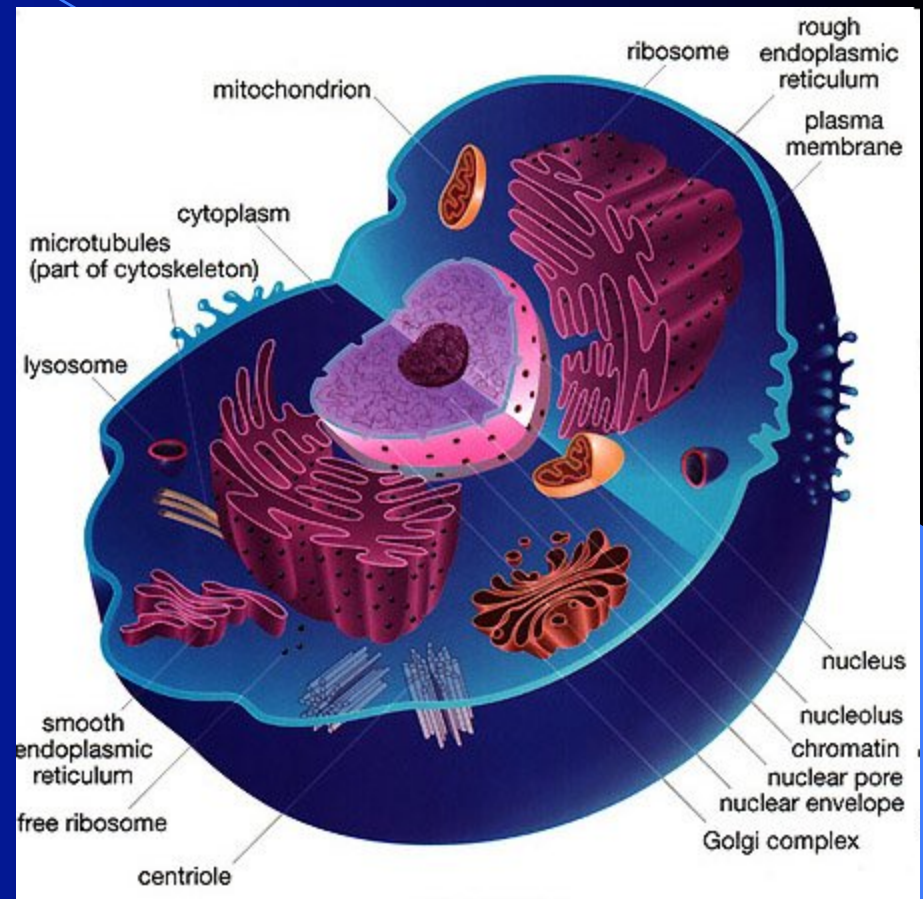
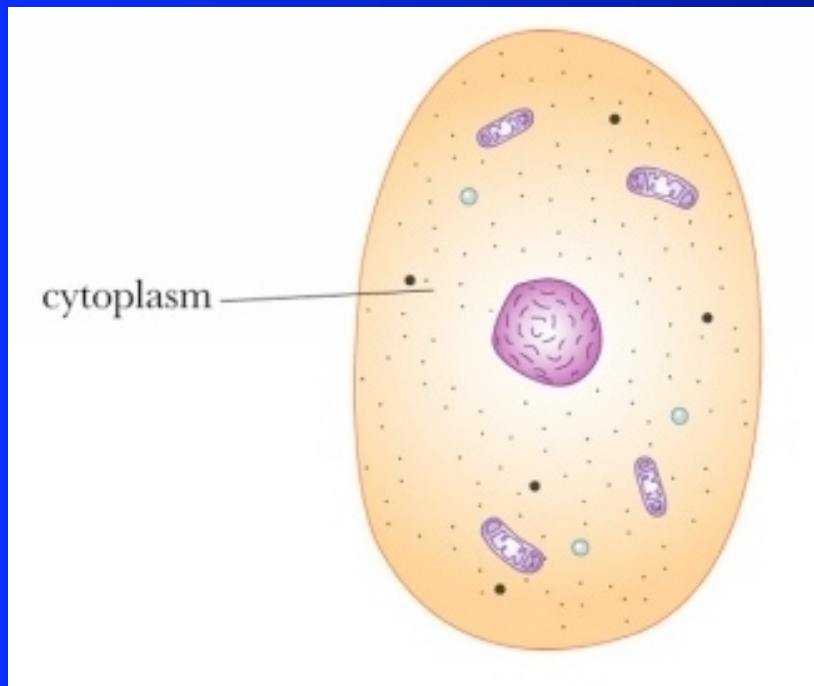


Glycolysis



01100 5/31/04

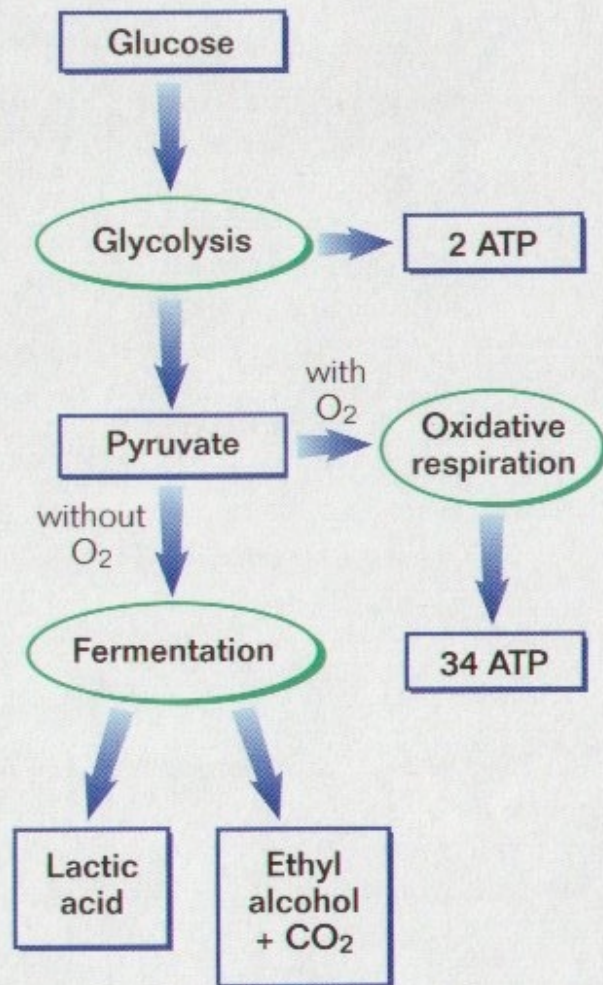




Blob Tag!!!!



Aerobic vs. Anaerobic

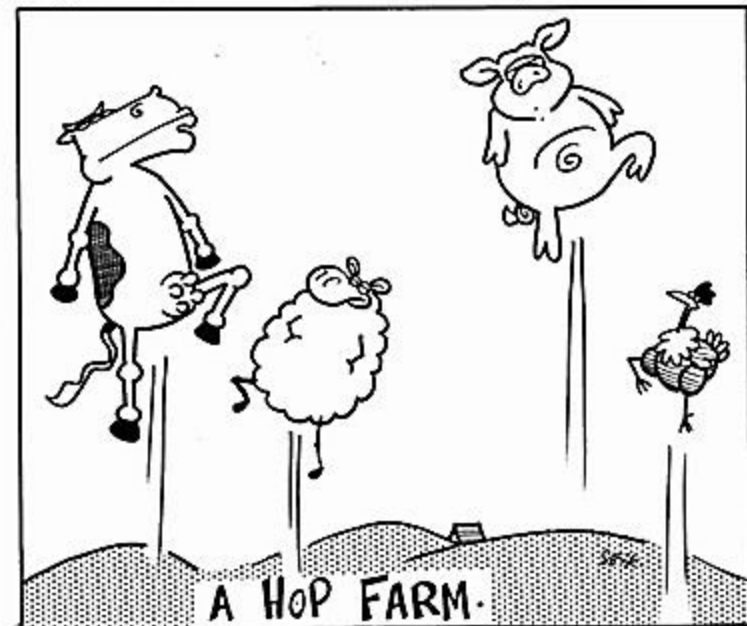


Fermentation

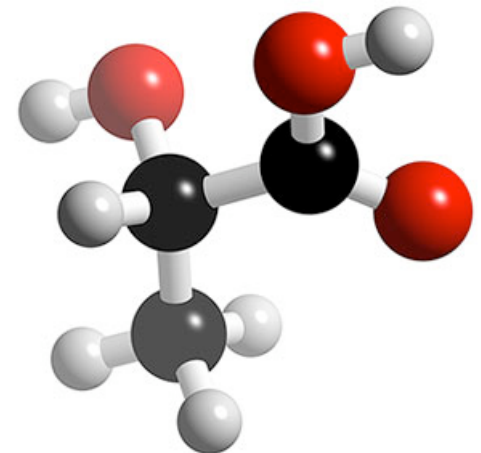
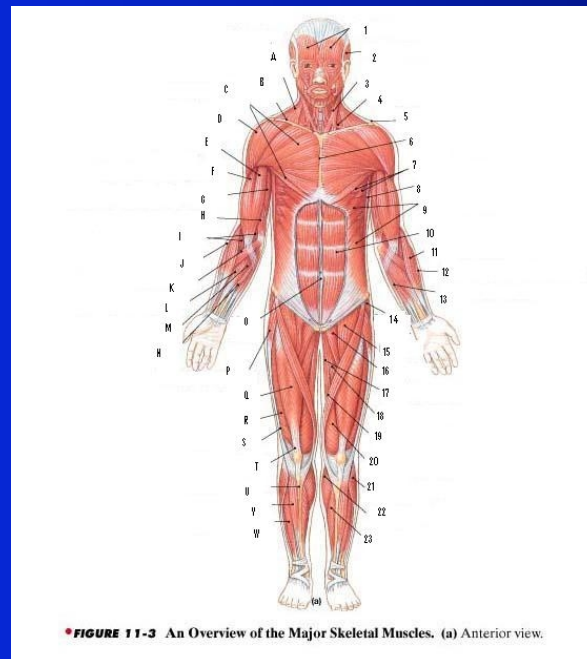
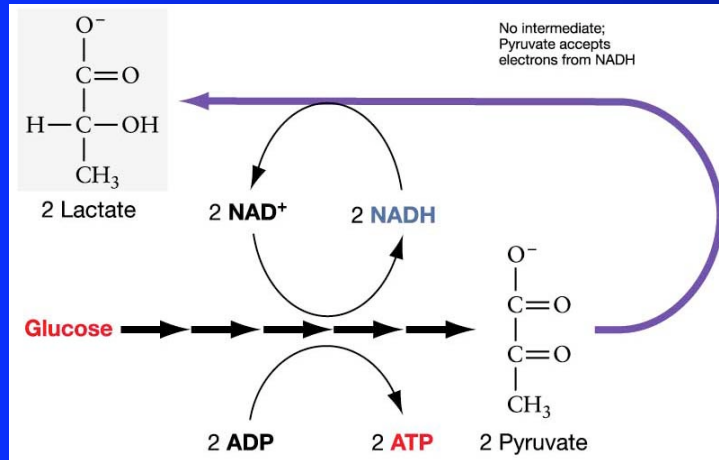


Fermented foods

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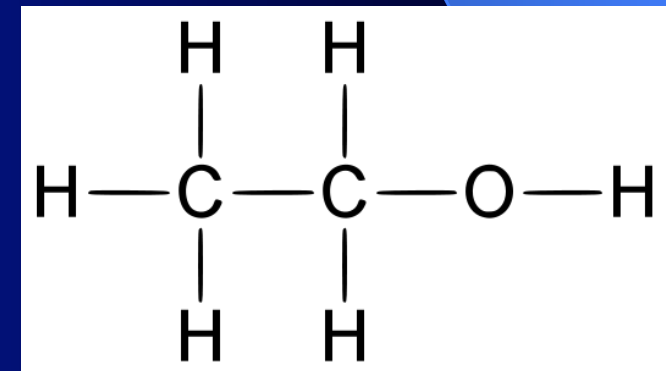
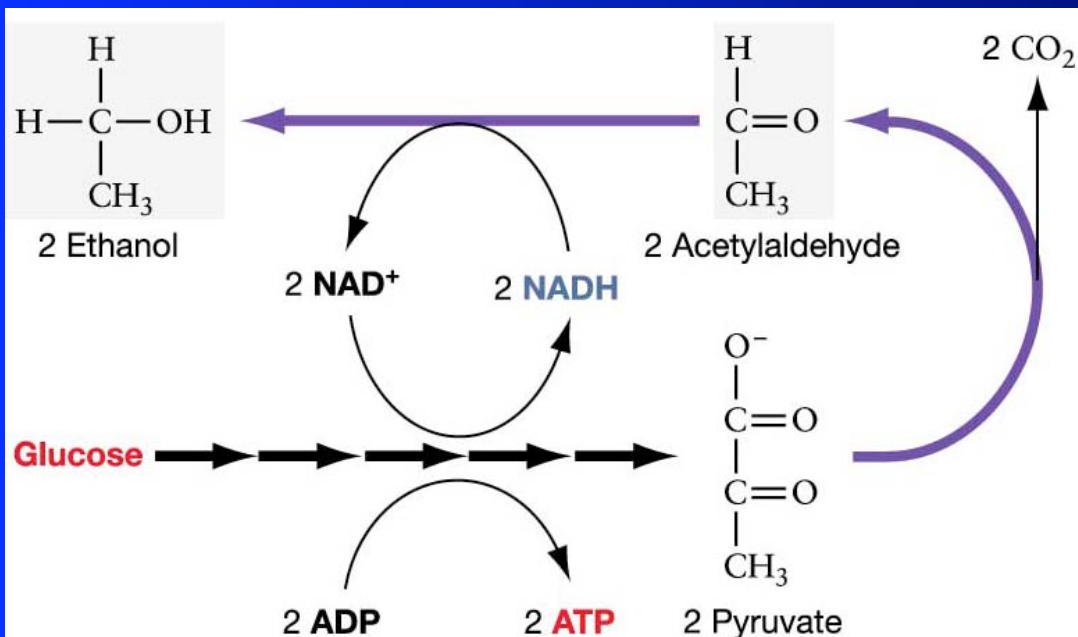
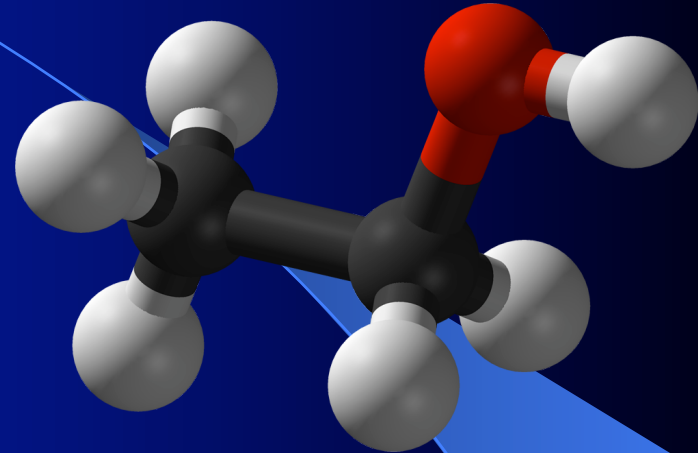
Lactic Acid Fermentation



Wall Sits!



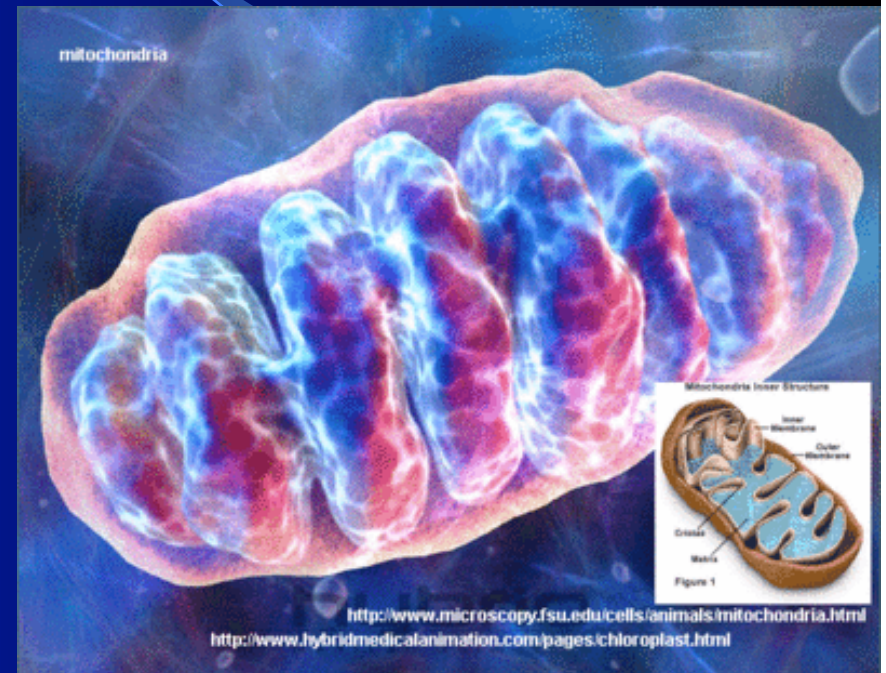
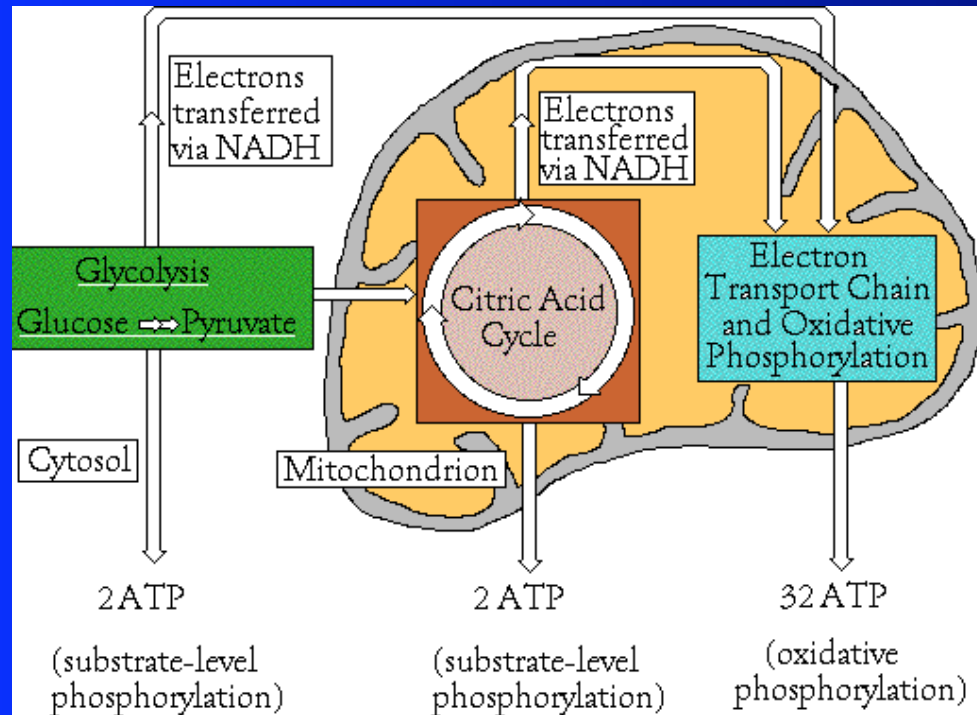
Alcohol Fermentation



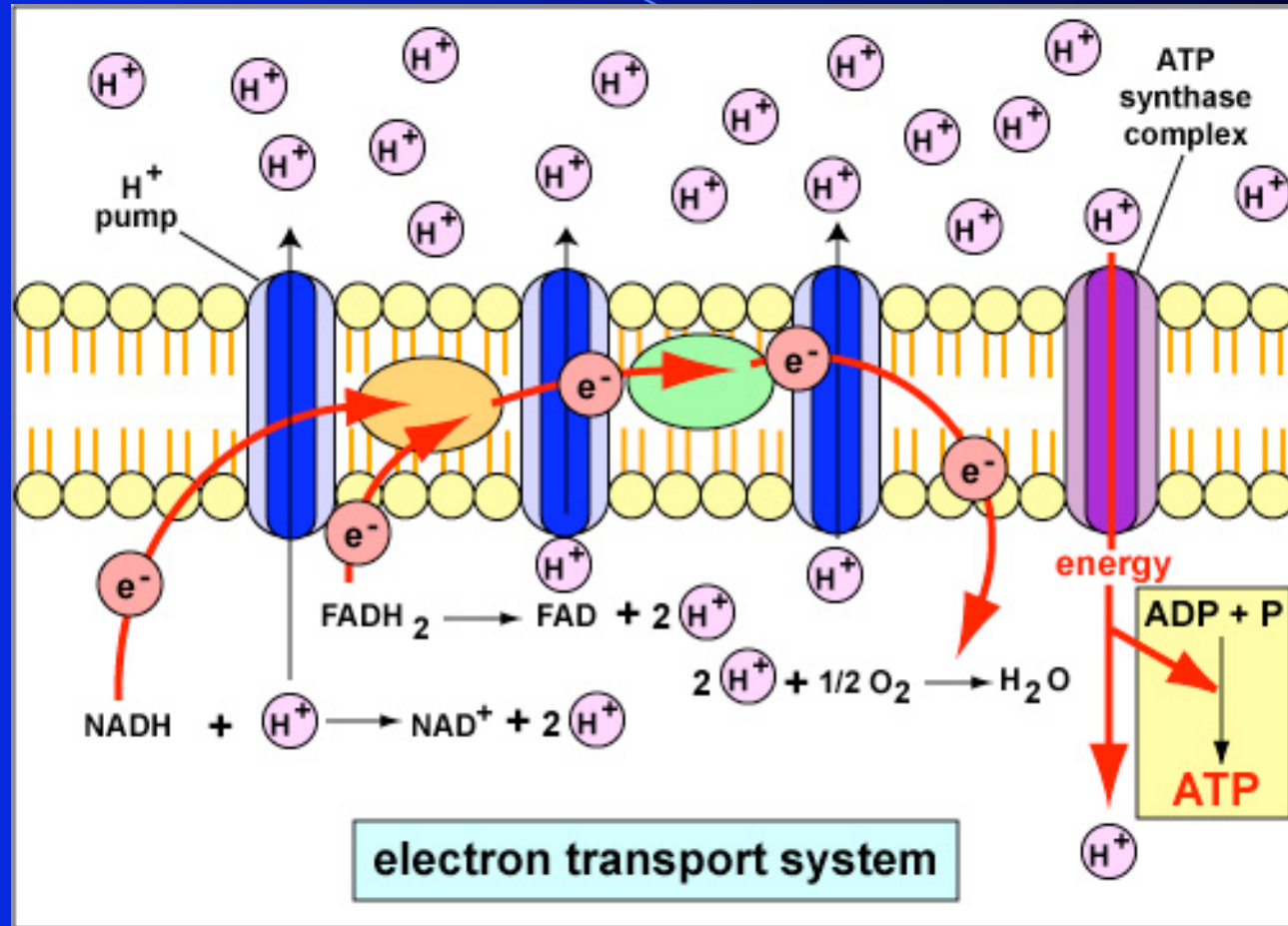
Root Beer!



Citric Acid Cycle



Oxidative Phosphorylation



<http://www.youtube.com/watch?v=DyrUbsyBjfQ&feature=related>

Slow vs. Fast Twitch Muscles



General Metabolism

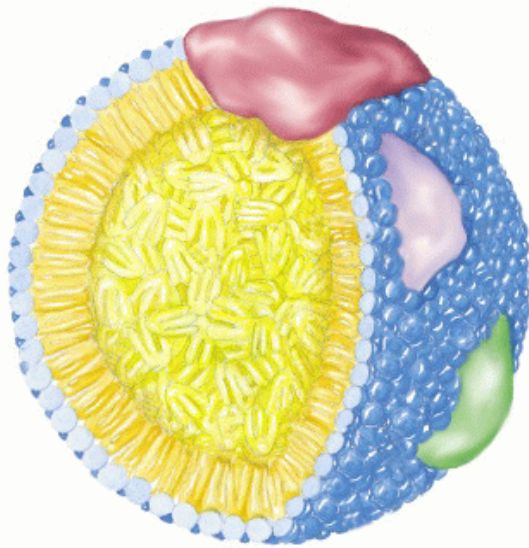
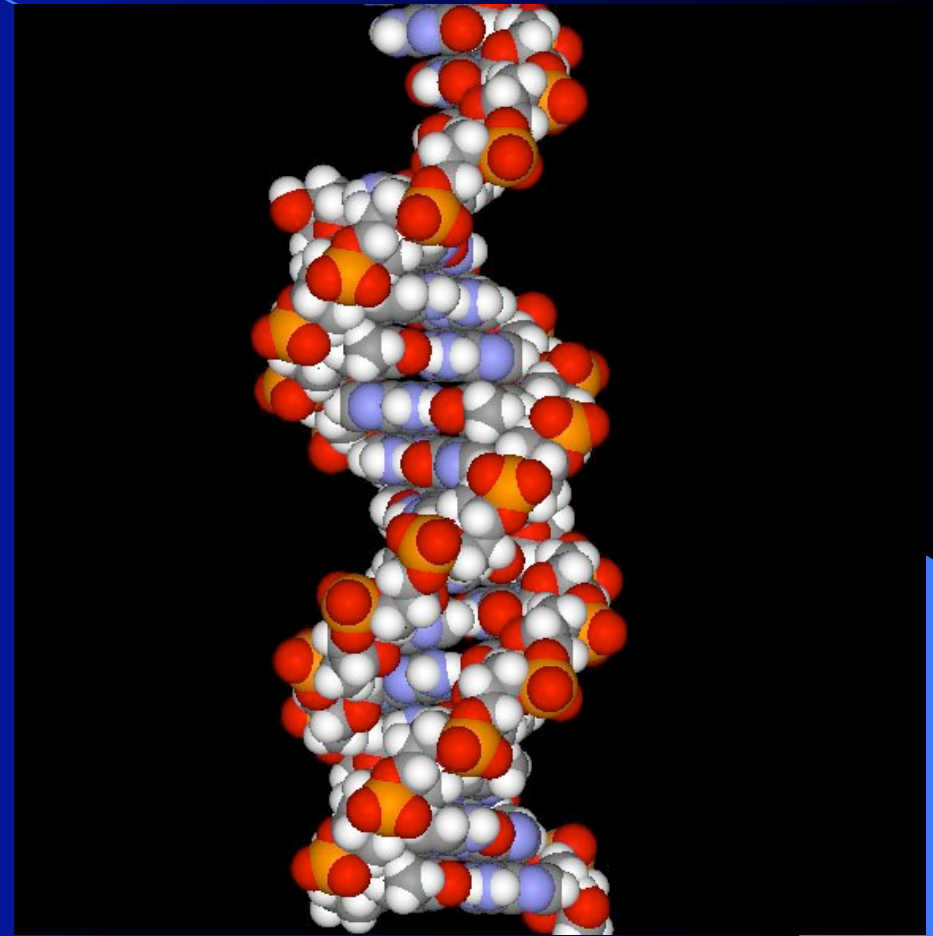
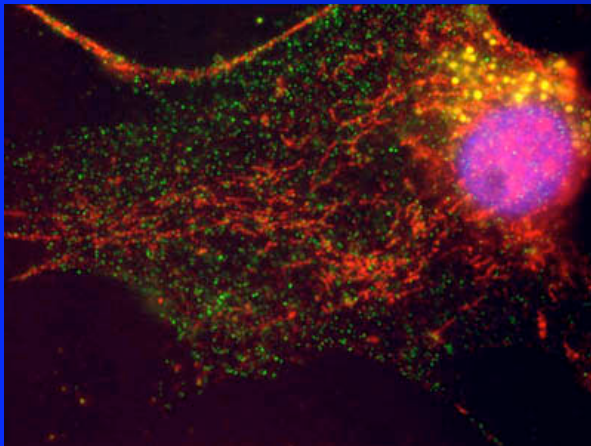


Fig. 1



Glutamate (an amino acid) transporters