**Study Guide Chapter 9 Quiz: Cellular Respiration**

* Know the order of the 3 steps of aerobic respiration and where in the cell each occurs.
* Know the order of the 2 steps of anaerobic respiration and where in the cell each occurs.
* Be able to describe the products of both lactic acid fermentation and alcoholic fermentation.
* Be able to compare the amount of ATP made at each of these steps
* Glycolysis-
  + Know what molecule is oxidized
  + Be able to describe what would happen at the end of this process if 02 was present
  + Be able to describe what would happen at the end of this process if 02 was not present
  + Know what molecules are needed for this series of reactions to occur and what is produced at the end of this step
  + Know how these products are utilized by the cell/later steps in the process
* Citric Acid Cycle/Krebs Cycle
  + Be able to describe specifically where this step happens in the mitochondria
  + Know what molecules are needed for this series of reactions to occur and what is produced at the end of this step
  + Know how these products are utilized by the cell/later steps in the process
* Electron Transport Chain/Oxidative phosphorylation
  + Be able to describe specifically where this step happens in the mitochondria
  + Know what molecules are needed for this series of reactions to occur and what is produced at the end of this step
  + Know what molecule serves as a final electron acceptor during this step
  + Be able to describe in detail how NADH and FADH2 are utilized during this process (e-, H+)
  + Know how these products are utilized by the cell/later steps in the process

***Test Format***

***15 Multiple Choice Questions***