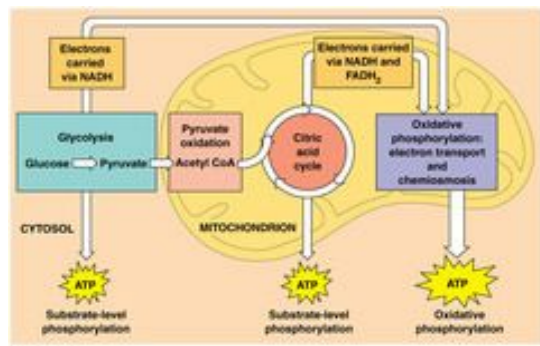


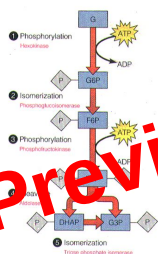
Chapter 9:

Cellular Respiration

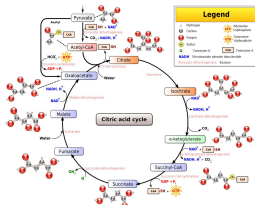


Cellular respiration has three stages:

- **Glycolysis** - glucose is broken down into pyruvic acid and ATP in two phases



- **Citric acid cycle** - oxygen is consumed, carbon dioxide and water are produced as waste products, and ADP is converted into energy-rich ATP



- **Oxidative phosphorylation** - the metabolic pathway in which the mitochondria in cells use their structure, enzymes, and energy released by the oxidation of nutrients to reform ATP

