

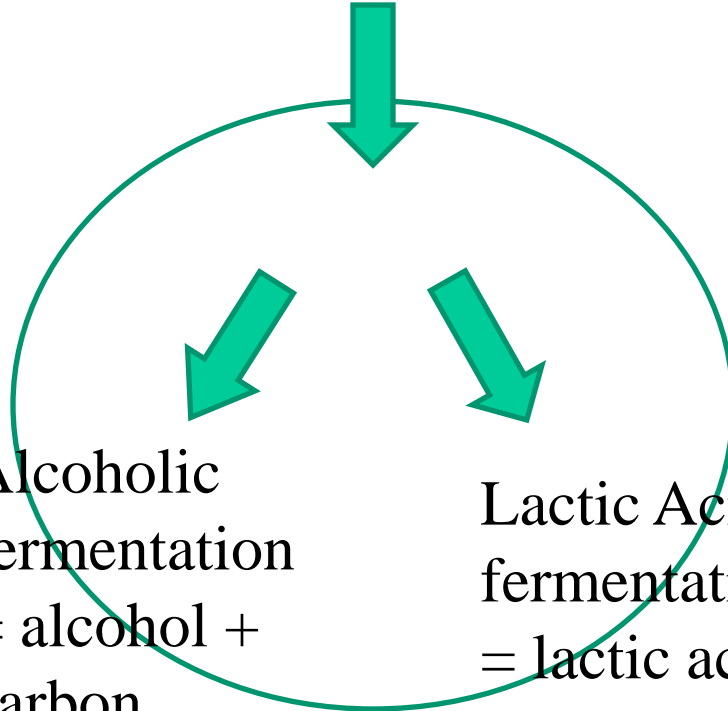
NOTES: Cellular Respiration

Purpose: To make ATP

Glycolysis: **Yields 2 ATP's**

* Occurs in Cytosol

* If no oxygen is present, what is the next step? Fermentation



Alcoholic
fermentation
= alcohol +
carbon
dioxide

Lactic Acid
fermentation
= lactic acid

Grand Total = 2 ATP



Step One: Glycolysis = 2 ATP's

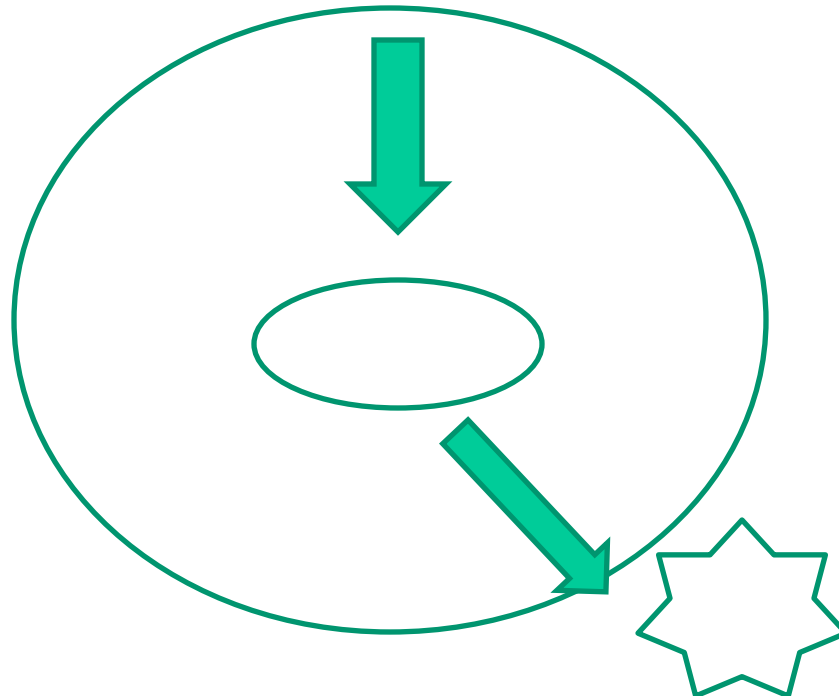
If oxygen is present, what happens to the pyruvic acid?

Mitochondria for aerobic respiration.

Step Two: Krebs Cycle = 2 ATP's

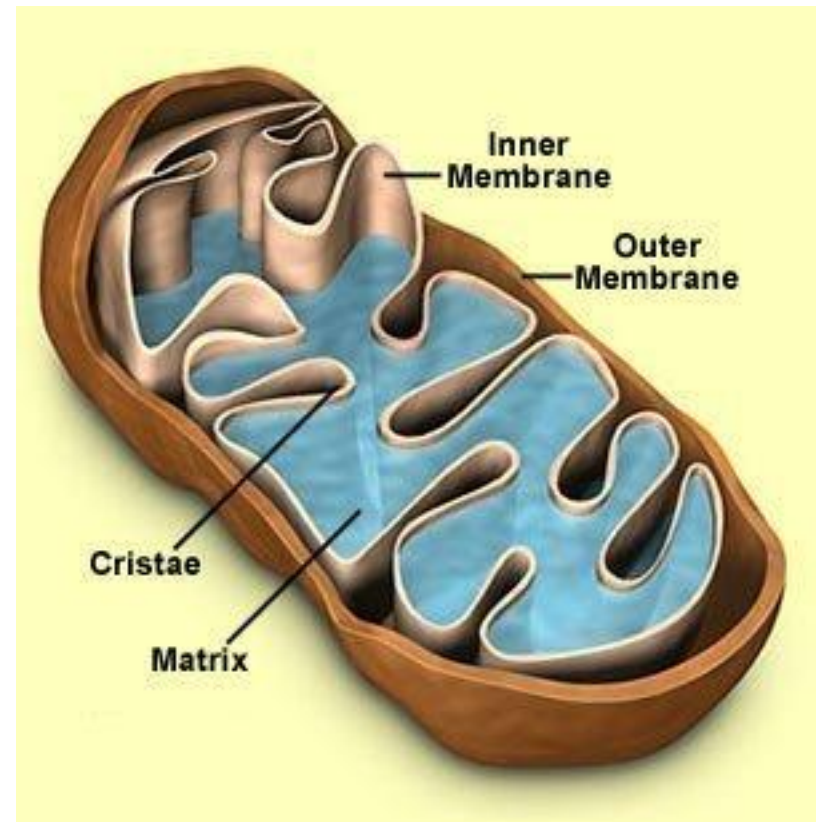
Step Three: Electron Transport Chain = 32 ATP's

Grand Total = 36 ATP's

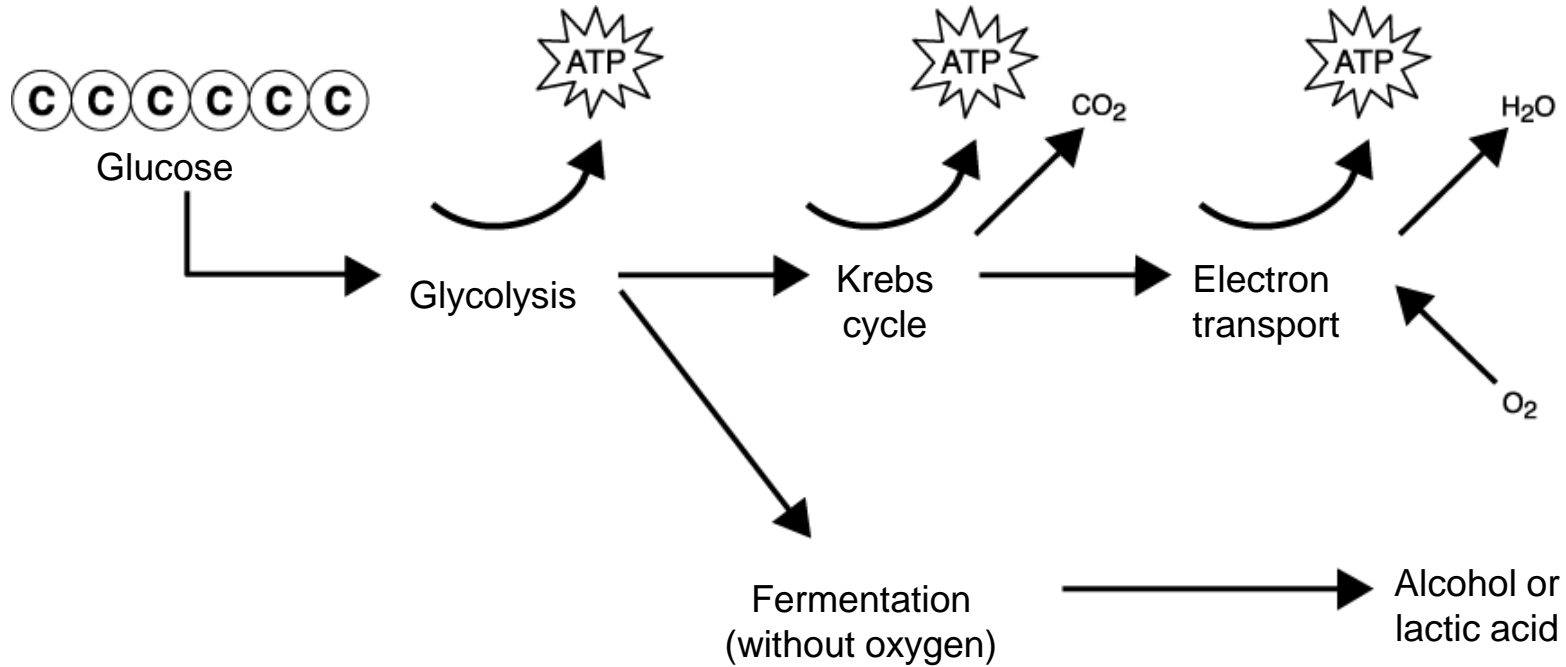


2nd step: Aerobic Respiration

- Takes place in the mitochondria



Chemical Pathways



Flowchart

Cellular Respiration

