


Bio 115 Cells & Evolution of Life

Energy Conservation

Aerobic Respiration



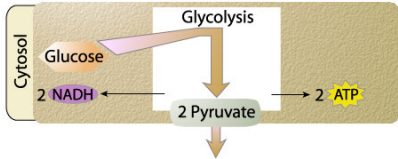
University of Idaho

Start Audio Lecture!

1

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Glycolysis – an overview



Cytosol

Glucose

Glycolysis

2 NADH

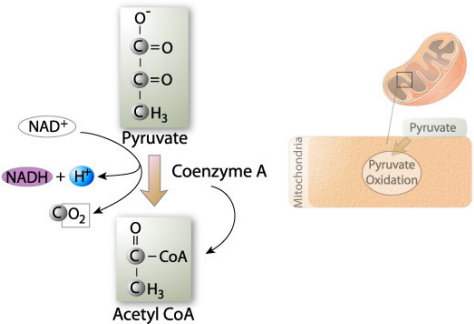
2 Pyruvate

2 ATP

2

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Pyruvate oxidation



O^-

$\text{C}=\text{O}$

$\text{C}=\text{O}$

H_3

Pyruvate

NAD^+

$\text{NADH} + \text{H}^+$

CO_2

Coenzyme A

Acetyl CoA

Mitochondria

Pyruvate Oxidation

Pyruvate

3

