

## Stages of Photosynthesis

	Used	Produced
Stage 1	Light Water	Oxygen Hydrogen Ions
Stage 2	Electrons Hydrogen Ions	ATP NADPH
Stage 3	ATP NADPH CO <sub>2</sub>	Organic Compounds

Nov 7-2:26 PM

## Cellular Respiration

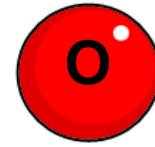
Before you can use the energy in the food you eat your body must turn it into ATP.

This process is called cellular respiration.

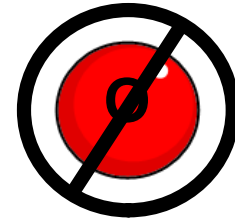
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Oxygen in the air you breathe makes the process more efficient.

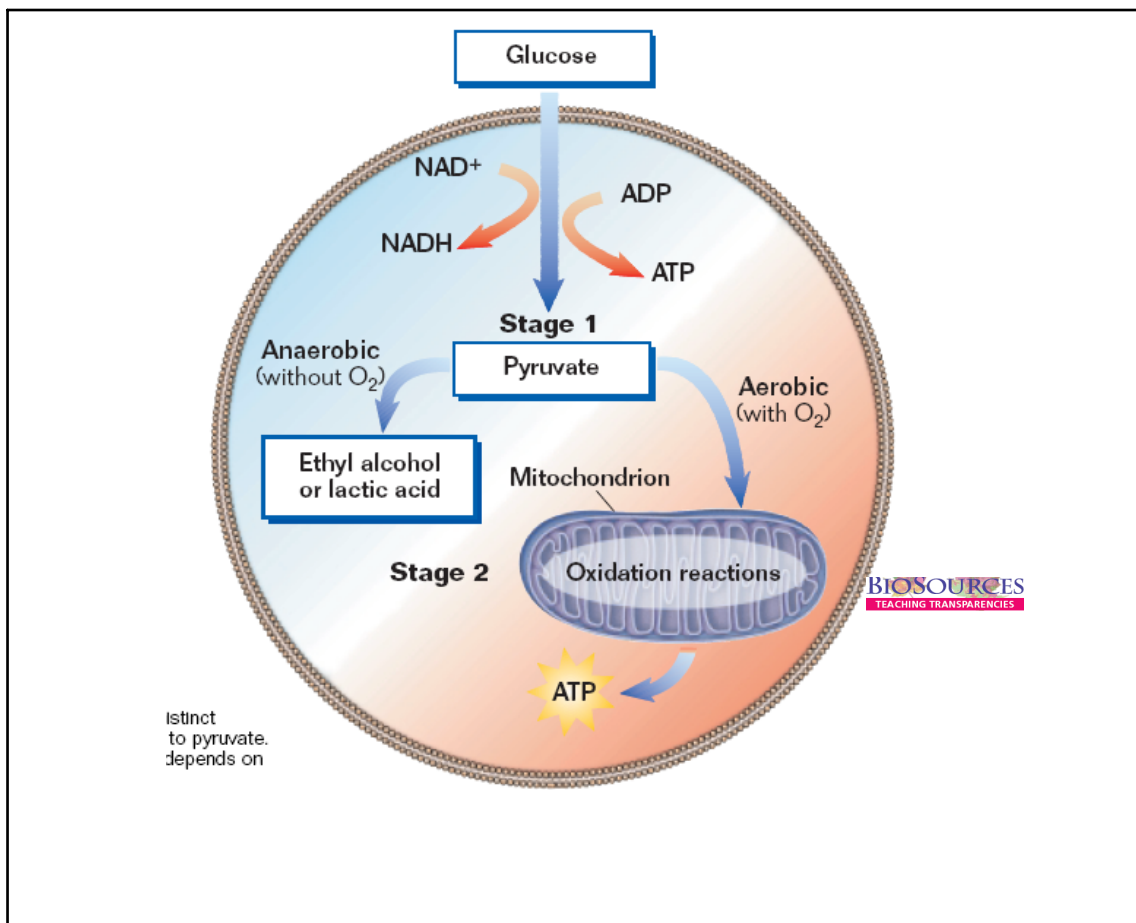
Aerobic - with oxygen



Anaerobic - without oxygen



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Glucose comes from Carbohydrates

Glucose is the primary fuel for cellular respiration.

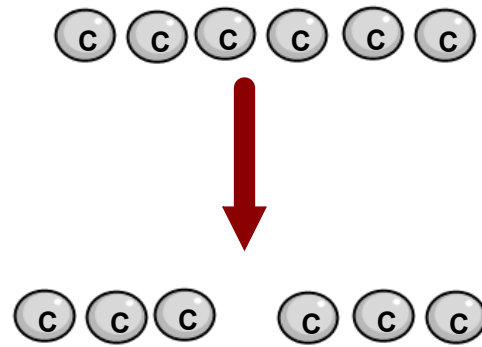
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Stage 1- Glucose  
broken down  
during  
Gylcolysis.

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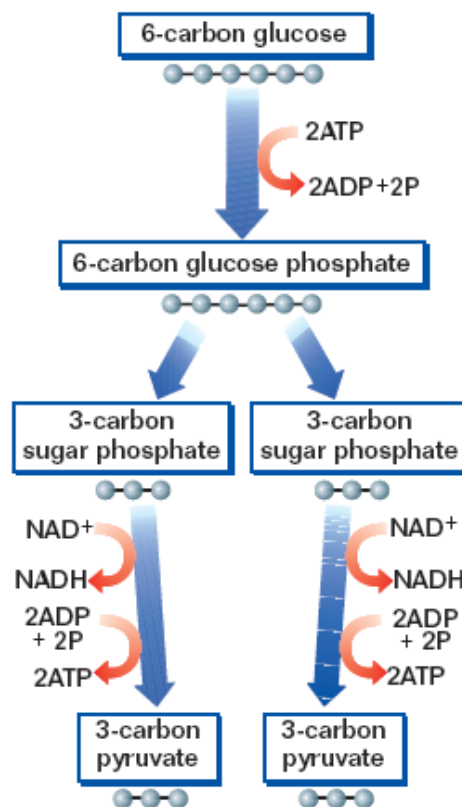
Glycolysis- an enzyme-assisted anaerobic

process that breaks down one six-carbon molecule into two three-carbon pyruvates.



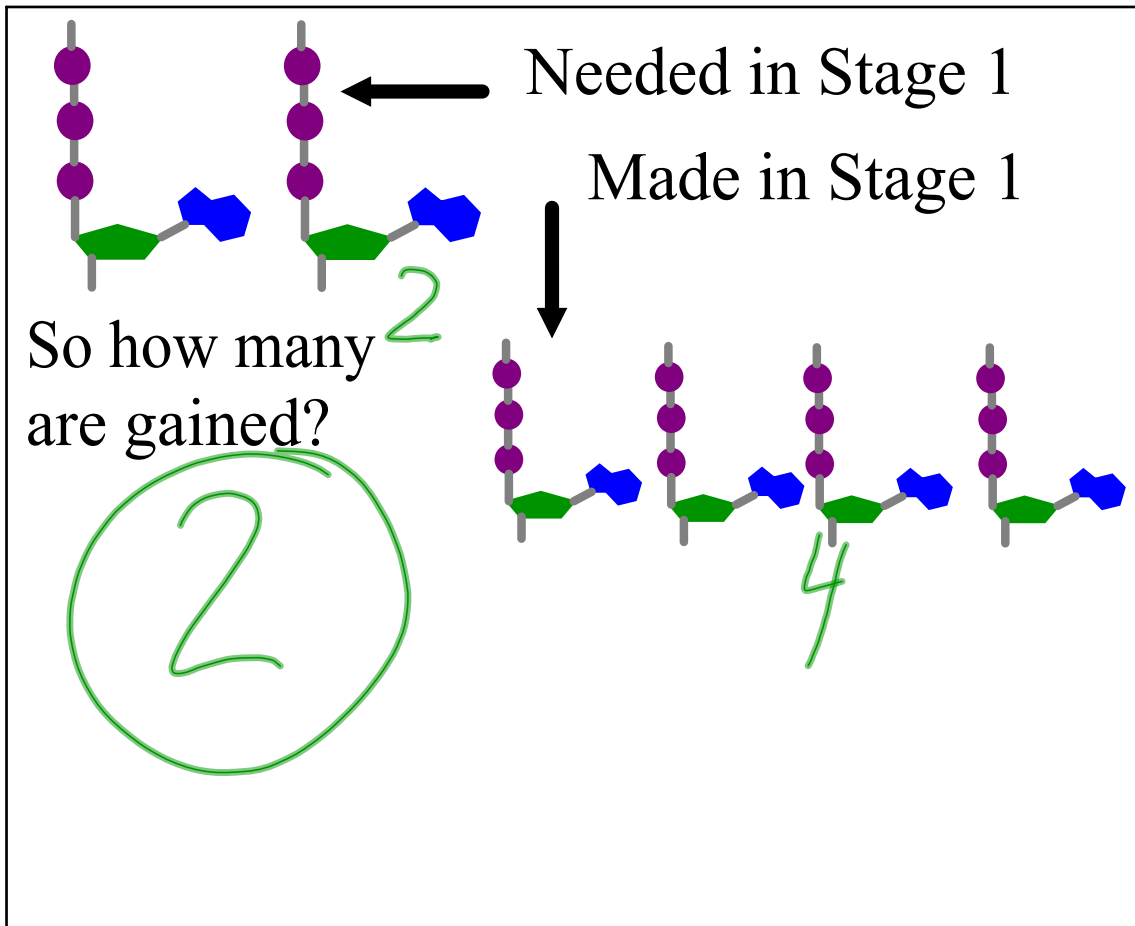
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This is the glycolysis complex process.



BIO SOURCES  
TEACHING TRANSPARENCIES

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Stage 2- More ATP is made by aerobic respiration.

This is called the Krebs's Cycle

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