

Cellular Respiration

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

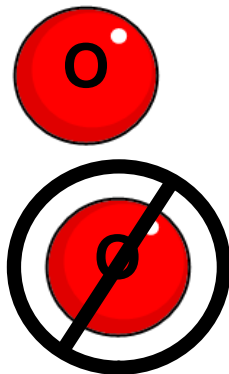
This process is called cellular respiration.

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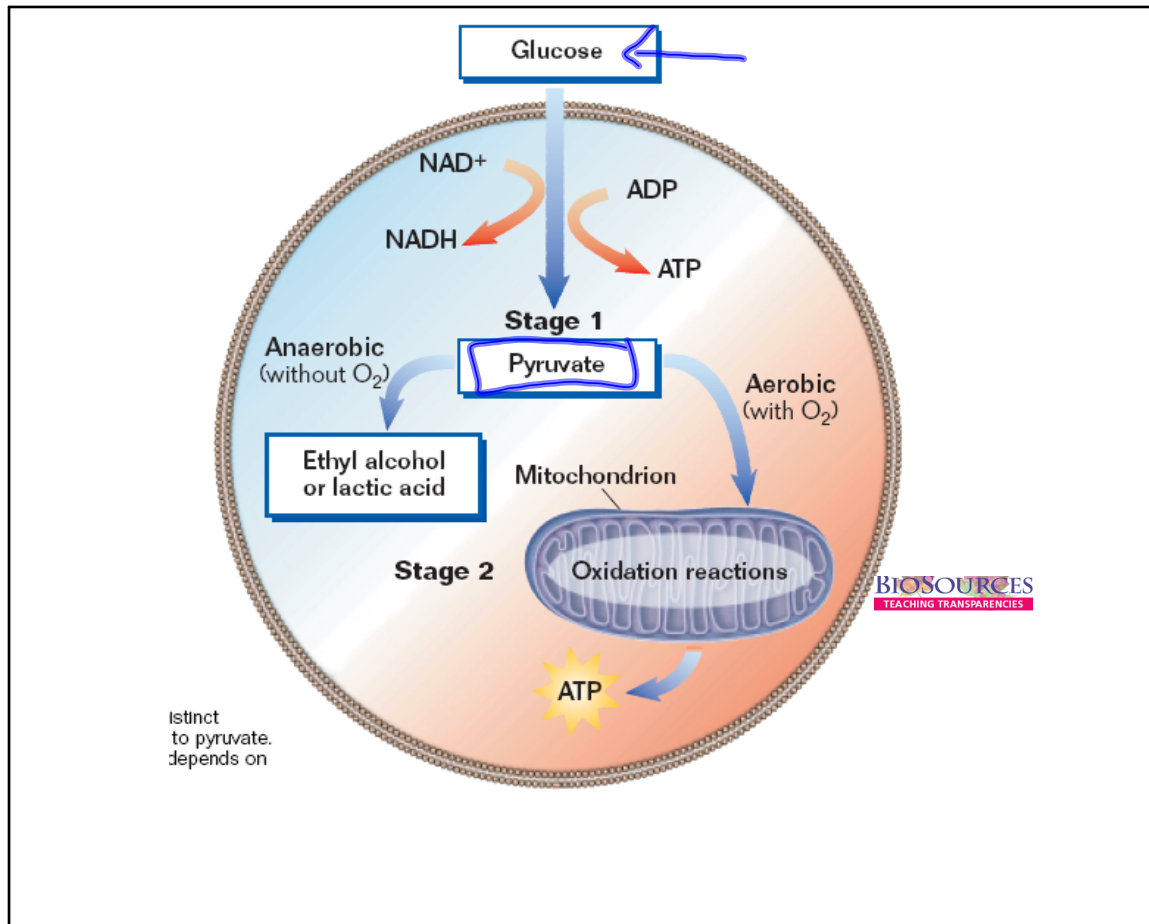
Oxygen in the air you breathe makes the process more efficient.

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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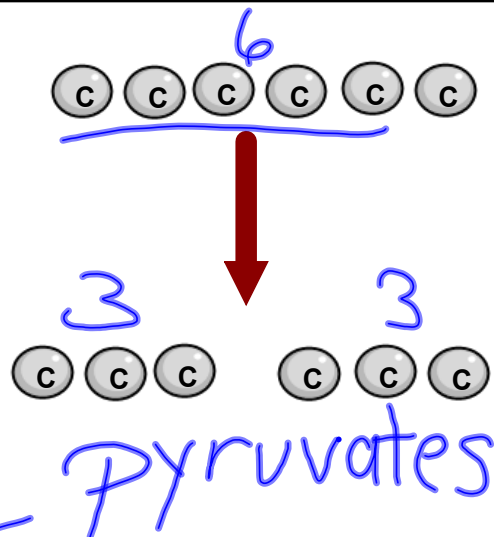
Stage 1- Glucose
broken down
during

Glycolysis.

Gly

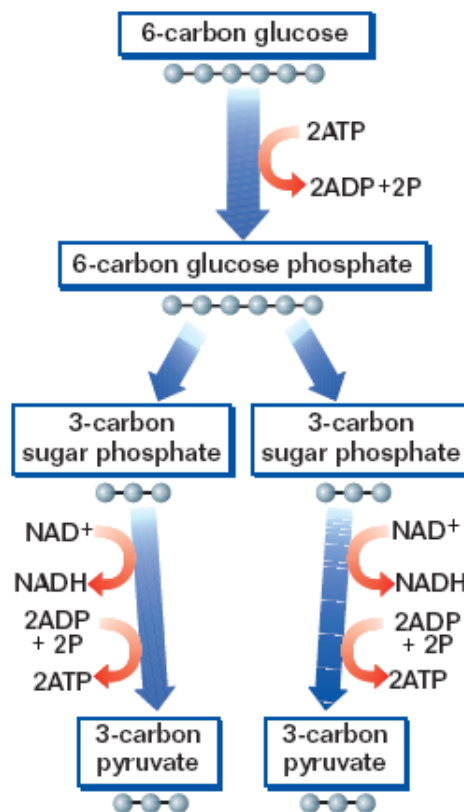
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Glycolysis- an enzyme-
assisted anaerobic
process that
breaks down one
six-carbon molecule
into two three-carbon
pyruvates.



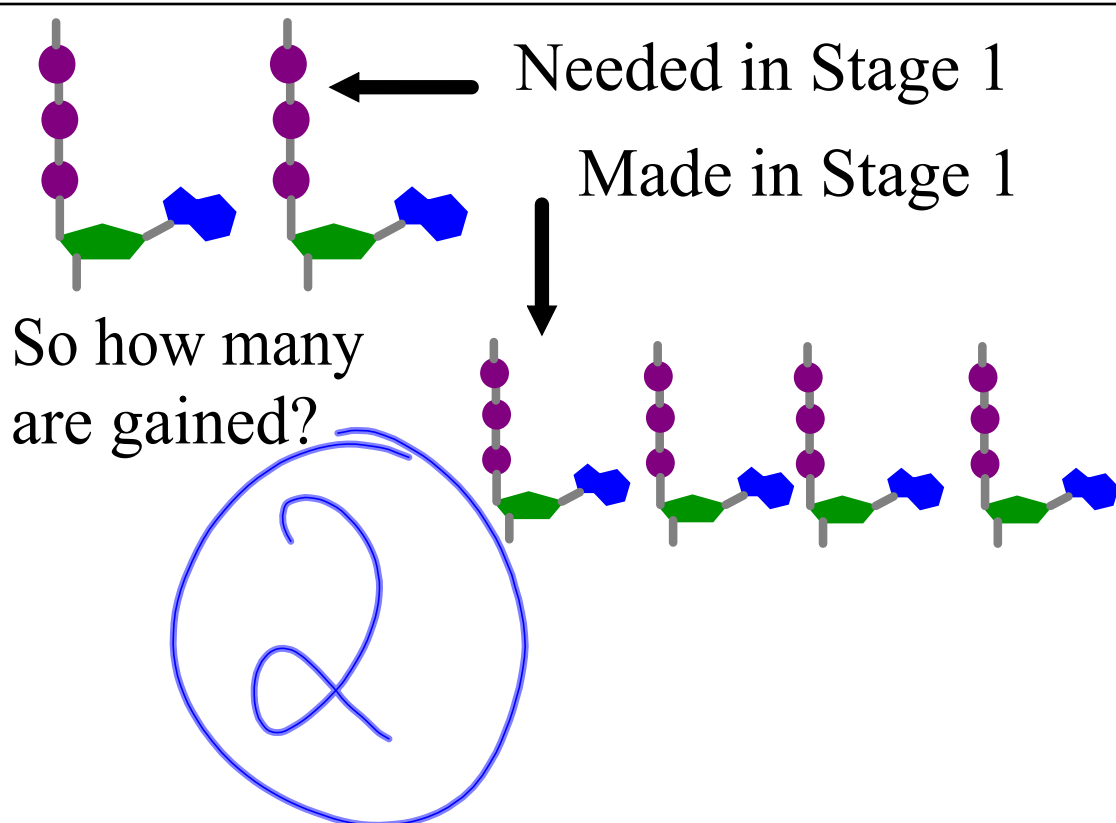
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This is the glycolysis complex process.



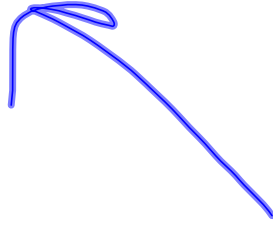
BIO SOURCES
TEACHING TRANSPARENCIES

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Stage 2- More ATP is made by
Aerobic respiration.



This is called the Krebs's Cycle

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