

Stages of Photosynthesis

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

Nov 7-2:26 PM

Cellular Respiration

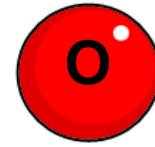
Before you can use the energy in the food you eat your body must turn it into ATP.

This process is called cellular respiration.

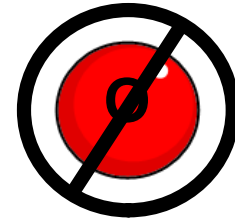
Oct 31 - 3:55 PM

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

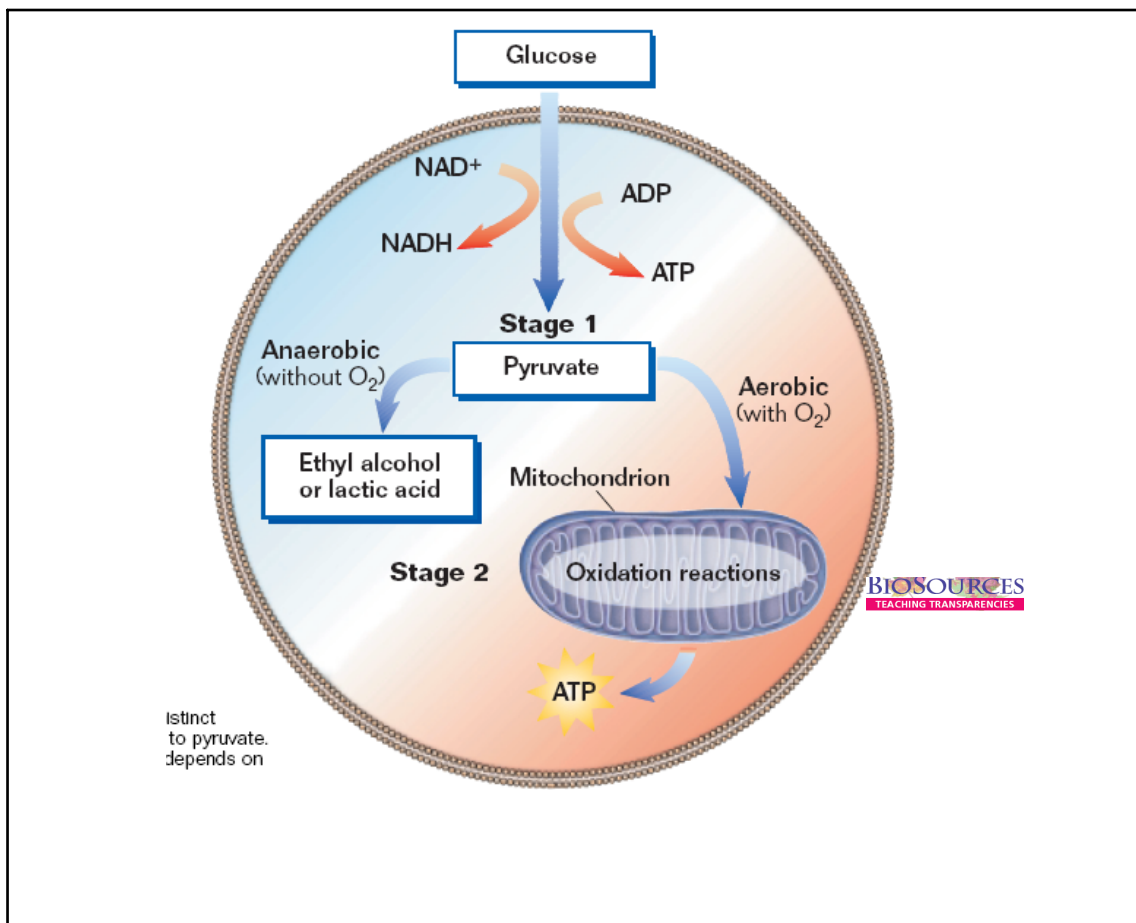
Aerobic - with oxygen



Anaerobic - without oxygen



Oct 31 - 3:59 PM



Oct 31 - 4:03 PM

Glucose comes from carbohydrates.

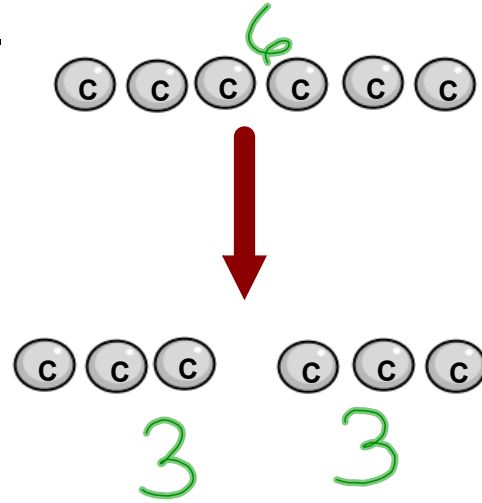
Glucose is the primary fuel for cellular respiration.

Oct 31 - 4:01 PM

Stage 1- Glucose
broken down
during
Gylcolysis.

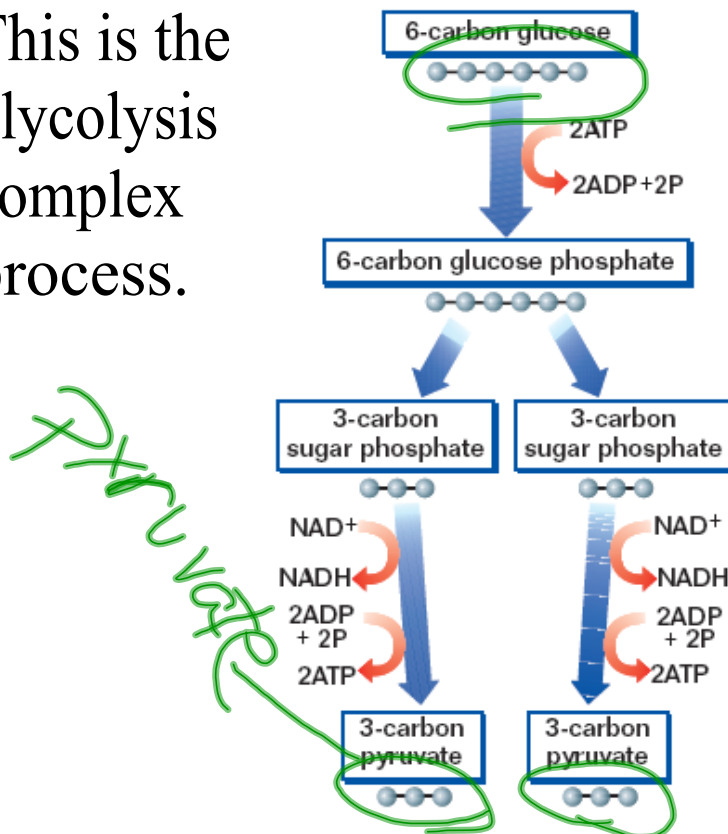
Oct 31 - 4:03 PM

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



Oct 31 - 4:07 PM

This is the glycolysis complex process.



BIO SOURCES
TEACHING TRANSPARENCIES

Oct 31 - 8:21 PM

Needed in Stage 1 2

Made in Stage 1 4

So how many are gained?

2

Oct 31 - 8:23 PM

Stage 2- More ATP is made by aerobic respiration.

This is called the Krebs's Cycle

Oct 31 - 4:05 PM