


Bio 115 Cells & Evolution of Life

The Basics of Life

## The 12 Key Intermediates



University of Idaho

Start Audio Lecture!

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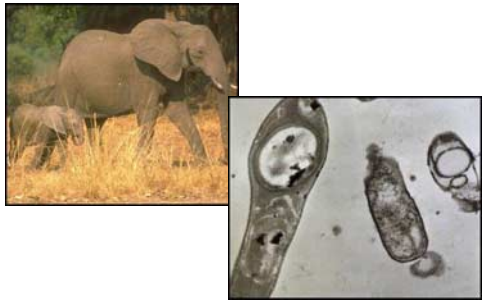
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Understanding What's Similar



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Carbon Numbers of the 12 Key Intermediates

Glucose 6-Phosphate	6-Carbon
Fructose 6-Phosphate	6-Carbon
Ribose 5-Phosphate	5-Carbon
Erythrose 4-Phosphate	4-Carbon
Triose Phosphate	3-Carbon
3-Phosphoglycerate	3-Carbon
Phosphoenolpyruvate	3-Carbon
Pyruvate	3-Carbon
Acetyl CoA	2-Carbon
$\alpha$ -Ketoglutarate	5-Carbon
Succinyl CoA	4-Carbon
Oxaloacetate	4-Carbon

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The Same Processes Are Going on in All of these Organisms



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