

Cellular Respiration

Marzano Framework Biology HS

Start Date: November 07, 2011

End Date : November 18, 2011

Why is it important?

<p>Enduring Understandings</p> <p>Discover the significance of cellular respiration and the associated processes to life.</p> <p>Be able to outline the steps of cellular respiration.</p>	<p>Essential Questions</p> <p>What is the process and importance of cellular respiration?</p> <p>Why is cellular respiration necessary to life?</p> <p>What is glycolysis?</p> <p>What is the Krebs's cycle?</p> <p>Learning targets:</p> <p>Describe the major events in glycolysis.</p> <p>Summarize the events of the electron transport chain and chemiosmosis.</p> <p>Relate aerobic respiration to the structure of a mitochondrion.</p> <p>Outline the steps of the Krebs's cycle.</p>	<p>Key Vocabulary</p> <p>cellular respiration</p> <p>pyruvic acid</p> <p>NADH</p> <p>anaerobic</p> <p>aerobic respiration</p> <p>glycolysis</p> <p>NAD+</p> <p>fermentation</p> <p>lactic acid fermentation</p> <p>alcoholic fermentation</p> <p>kilocalorie</p> <p>mitochondrial matrix</p> <p>acetyl CoA</p> <p>Krebs cycle</p> <p>oxaloacetic acid</p> <p>citric acid</p> <p>FAD</p>
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Standards

OH_Academic_Content_Standards - Science (2011) - Biology

Content 4 Cells

4.2 Cellular processes

4.2.2 Photosynthesis, chemosynthesis, cellular respiration

Why am I teaching?

<p>Unit Objectives</p> <p>Describe the major events in glycolysis. Summarize the events of the electron transport chain and</p>

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chemiosmosis. Relate aerobic respiration to the structure of a mitochondrion.

What additional resources do I need?

Notes	Web 2.0 tools	Resources PowerPoint Notes Cellular Respiration Model Lab Textbook readings and questions Worksheets DVD's
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Standards Summary - Cellular Respiration

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No Plan Available

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