

2014-15 LESSON "SNAPSHOT"

Teacher's Name: S. Sutherland

Course Title and Periods Taught: Bio B – 2nd-5th Periods

Week of: April 13, 2015

Unit Title: Cellular Respiration

Cell Unit Test

List daily lesson topic and Depth of Knowledge:	List learning target and briefly outline lesson activities/agenda (related to Core Academic Standard):		
<u>Monday (Day 1)</u> Lesson Topic: Cellular Respiration Critical Vocab: See attached	Agenda: I can identify the cellular sites of and follow through the major pathways of anaerobic and aerobic respiration. I can compare the reactants and products for each process: anaerobic and aerobic respiration. Procedure: 1. Bell Ringer and Discussion 2. Lecture: Energy Review; glycolysis 3. Unit Test Discussion & Review Guide 4. Class work: Study Guide, vocab table, Foldable, Review Guide	Bell Ringer: Aquatic Ecosystems	Reflection:
<u>Tuesday</u> Lesson Topic: Cellular Respiration Critical Vocab: See attached list	Agenda: I can compare the reactants and products for each phase of cellular respiration. I can account for how aerobic respiration produces more ATP per monosaccharide. Procedure: 1. Bell Ringer and Discussion 2. Lecture: Krebs Cycle and ETC 3. Class work: Study Guide, vocab table, foldable & unit test review guide	Bell Ringer: EOC Quiz	Reflection:
<u>Wednesday</u> Lesson Topic: Cellular Respiration Critical Vocab: See attached list	Agenda: I can follow directions to successfully complete my lab. Procedure: 1. Bell Ringer, Discussion and Submission 2. Lab: Energy in Food	Bell Ringer: Populations	Reflection:

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<p><u>Thursday</u> Lesson Topic: Cell Unit Test Review and midpoint pre-test</p> <p>Critical Vocab: See attached list</p>	<p>Agenda: I can recall and apply my knowledge of the cell unit to prepare for my test. I can recall and apply my knowledge of Biology to complete my mid-point pre-test. Procedure: 1. Bell Ringer and discussion 2. Review: Quiz, quiz, trade 3. Jeopardy</p>	<p>Bell Ringer: EOC Quiz 9</p>	<p>Reflection:</p>
<p><u>Friday</u> Lesson Topic: Cell Unit Test</p> <p>Critical Vocab: See attached list</p>	<p>Agenda: 1.</p>	<p>Bell Ringer:</p>	<p>Reflection:</p>

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<p> Fermentation Oxidation-Reduction Reactions Glycolysis Glucose Pyruvate (pyruvic acid) Cytosol Mitochondria Citric Acid Cycle (Krebs Cycle) NADH FADH₂ ATP Aerobic Anaerobic </p>	<p> ATP Synthase Electron Transport Chain Lactic Acid Fermentation Alcoholic Fermentation NADPH Calvin Cycle Light Reaction Autotrophs Heterotrophs Chloroplast Thylakoids Chlorophyll Stomata </p>
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