

AP Biology Sequence
2nd Six Weeks

Week 1 (Oct 3)

- Day 1: Discuss Cell Junctions.
Decide on lab groups for Enzyme Lab (Groups of 3)
Hand out Lab 2 Enzyme Lab.
Hand out Lab Report Format and Grading Rubric. Discuss
Begin Study Guide Ch. 8 Energy and Metabolism (Due Thursday)
- Day 2: Complete Part A and B of Enzyme Lab
Homework: Study Guide Ch. 8
- Day 3: Complete Part C,D,E,F of Enzyme Lab
Homework: Study Guide Ch. 8
- Day 4: Share data from parts C-F of lab.
Check Ch. 8 Study Guide
Watch animation on Enzymes.
- Day 5: Enzyme Practice Questions.
Homework: Study material from Ch. 8
Complete Multiple Choice Questions over Enzymes.

Week 2 (Oct 10)

- Day 1-3: Watch animations and complete questions on "Cell Signals"
- Day 4: Discuss Cell signaling answers. Handout picture diagrams of cell signaling processes. Label as discussing questions. Practice questions on Cell Signals.
- Day 5: Finish Cell signaling discussion.
Assignment: Use word list on Cell signaling to construct a concept map.

Week 3 (Oct 17)

- Day 1: Practice Free Response Questions on Cell Signaling and Enzymes from 2010.
- Day 2: Test: Cell Signals, Energy, and Enzymes
Homework: Read p. 160-163 ch. 9
- Day 3: Discuss Cell Membrane Junctions: See Cell Presentations.ppt (slide 96-104)
Discuss Overview of Cellular Respiration. Fill in Notes from Respiration.ppt.
Homework: Ch. 9 Study Guide #1,6-10.
Study for Daily Quiz.
- Day 4: Quiz #1: Cell Membrane Junctions and Respiration Overview
Discuss Stage 1- Glycolysis Fill in Notes from Glycolysis.ppt

Homework: Ch. 9 Study Guide #10-12.
Study for Daily Quiz.

Day 5: Quiz #2: Glycolysis
Discuss: Oxidation of pyruvate/ Krebs's Cycle
Homework: Ch. 9 Study Guide #13-27.
Study for Daily Quiz.

Week 4 (Oct 24)

Day 1: Quiz #3: Oxidation of Pyruvate/Krebs's Cycle
Discuss: Electron Transport Chain. Fill in Notes from ETC.ppt
Homework: Study for Daily Quiz

Day 2: Quiz #4: Electron Transport Chain
Discuss: Anaerobic Respiration. Fill in notes from ppt.
Handout chart showing overview of Cellular Respiration

Day 3: Assignment: Review worksheets on Cellular Respiration from
Campbell textbook. (Half of class gone to StuCo
Convention and Cross Country)

Day 4: Check Ch. 9 Study Guide
Discuss Cellular Respiration Review worksheets.
Review Fermentation methods and Big Ideas of Cellular Respiration.

Day 5: Test: Ch. 9 Cellular Respiration

Week 5 (Oct)

Day 1: Discuss Photosynthesis (Photosynthesis 1.ppt)
Homework: Study Guide Ch. 10

Day 2: Continue notes on Photosynthesis (Photosynthesis 1.ppt)
Watch You Tube segment on Light -Dependent Stages and Electron Transport
Chain.
Homework: Study Guide Ch. 10
Study for Quiz- Photosynthesis

Day 3: Quiz #1- Photosynthesis.
Assignment: Calvin Cycle Animation: View animation on-line and answer
questions. (See worksheet.)
Homework: Study Guide Ch. 10

Day 4: Watch UTube segment on Calvin Cycle.
Discuss Plant evolution: C3, C4, and CAM Plants
Assignment/Homework: Prelab questions for Cellular Respiration Lab

Day 5: AP Lab 5: Cellular Respiration

Homework: Finish Study Guide Ch. 10 (due Monday)

Analyze data from Cellular Respiration Lab; work on Lab writeup.