

Biology I - Unit 3b Study Guide

bio1u3bsg (Cell Metabolism)

Study Objectives

1. Describe the process of photosynthesis. (Chapter 6)
2. Compare and contrast lactic acid fermentation and alcoholic fermentation. (Chapter 7, Section 1)
3. Describe the process of aerobic respiration. (Chapter 7, Section 2)

Assignments:

- Reading from chapter 6 and chapter 7
- Notebook: 10pts
 - Reading Notes
 - Crossword
 - Photosynthesis/Respiration Graphic Organizer
 - Fermentation Article
 - Cmap
- Vocabulary Quiz (3b) 10pts
- 3b Unit Test 20pts
- Lab: "Fermentation of Rootbeer"

Vocabulary:

ATP autotroph heterotroph glycolysis oxidation reduction chlorophyll light reaction Calvin cycle
Krebs cycle electron transport chain photosynthesis aerobic respiration kilocalorie

Misconceptions

- That plants are green because they use green light in photosynthesis.
- That the "dark reaction" (Calvin Cycle) only takes place at night.
- That the "calories" on a food label represents one calorie of energy.

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