Study Guide:

 Photosynthesis and Cellular Respiration

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| **Resources for Studying:**

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| - PowerPoint on Photosynthesis - Homework  | - Reading Activity on Photosynthesis - Textbook  | - Videos on my webpage- Rate of Photosynthesis Lab  |

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| Energy: |

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|  | 1. What is ATP? And how do you make it into ADP? atpadp.gif
	1. 2. Where is energy stored in ATP?
2. Which stores more energy?

 **ATP, AMP, ADP**Why: |

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| Photosynthesis: |

1. Purpose:
2. Location: (organismal level (plant or animal) and at a organelle level)
3. Equation: Know products and reactants
4. How does the electron transport chain work and what is its function? (Use: Concentration gradient, semipermeable membrane, and charged particle in your answer)
5. Light and Dark reactions

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| **Process** | **Location** | **Reactants**(What Goes In)  | **End Products** (What Comes Out) |
| **Light Dependent Reactions** |  |  |  |
| **Light Independent Reactions**  |  |  |  |

1. Label the process of photosynthesis in the space below. Include the following structures and processes in your diagram: chloroplast, chlorophyll, light reaction, dark reaction, reactants, products, light, ATP

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| Screen shot 2012-11-09 at 11.55.31 AM.png |
| Screen shot 2012-11-09 at 11.55.38 AM.png |