AP BIOLOGY MS. BAKER

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CHAPTER 8 STUDY GUIDE

\*REVIEW ALL VOCABULARY TERMS – ESPECIALLY THE ONES YOU GOT WRONG!

1. Distinguish between anabolic and catabolic pathways, and provide examples of each.
2. What are the first and second laws of thermodynamics?
3. List the different types of energy and define each.
4. Differentiate between endergonic and exergonic reactions and give an example of each.
5. Describe the different types of work done by cells>
6. Describe the structure of ATP, how it performs work and how it is regenerated.
7. Describe how enzymes speed up chemical reaction.
8. Explain in detail the process of catalysis in the Enzyme’s active site.
9. Name two environmental factors that can affect enzyme activity and two types of enzyme inhibition.
10. Describe allosteric activation and inhibition of enzyme activity.