**Study Guide Quiz: Enzymes and Metabolism**

* Be able to differentiate between catabolic and anabolic reactions, including the corresponding ΔG values
* Be able to describe the general structure of ATP and its derivatives
* Be able to describe the function/use of ATP in metabolism
* Know the function of enzymes in metabolic reactions including how they function to lower EA
* Be able to describe the structure of an enzyme
* Know what factors affect the ability of an enzyme to function and how these factors denature the molecule
* Be able to describe the two models that describe the enzyme-substrate complex
* Be able to describe the different mechanisms by which an enzymes’ activity is regulated
* Be able to describe the different mechanisms by which an enzymatic pathway is regulated

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