

Bio 111 Pre-Lab for Lab #04: Name _____
Amylase. TA & Sect. _____

1. Enzymatic reactions involve a substrate that is converted with the help of an enzyme to a product. What are the substrate, enzyme and product for the reaction you will be studying in this lab?
2. IKI (Iodine and potassium iodide) stains starch blue-black; how will you use this fact to measure the rate of the enzymatic reaction?
3. TRUE or FALSE and WHY:
Enzymes are used up during the reaction they catalyze.
4. Suppose that the reaction took 1 minute and 30 seconds to complete. What rate would you report? (Remember that rate is units of starch digested / time.)
5. On the back of this sheet, give 3 to 5 short (~1 sentence each) bullet points describing, *in your own words*, what you will be doing in the lab today. There are a wide range of full-credit answers here; we will grade this as a 1-point check off.

