







Enzyme Practice		
l. What is	s a catalyst?	2. What is an enzyme?
3. What is an active site?		
4. What is a substrate?		5. What is a product?
6. What is denaturing and what causes it to occur?		
7. How can "Lock & Key" be used to describe an enzyme?		
8. Label the Enzyme Model below: a. b. c. d. e.		
How Temperature Affects Enzyme Activity  100 90 90 90 90 90 90 90 90 90 90 90 90 9		The Effect of pH on Enzyme Activity  60  60  60  60  60  60  60  60  60  6
Temp Enzyme E  A  0 80 5 90 10 95 15 80 20 65 25 45 30 25 35 8 40 0 0 45 0 50 0 55 0 60 0 65 0 70 0 75 0 80 0 85 0 90 0 95 0	Use the graph above and the table to the left to answer the following questions:  I. What is the optimal temp. for Enzyme A?  2. What is the optimal temp. for Enzyme B?  2. What is the optimal temp. for Enzyme B?  3. What temp. RANGE do the 2 enzymes overlap?  4. The human body has an avg. temp. of 37 C. Which enzyme would work best in the body?	A B table to the left to answer the following questions:  1 12 0 the following questions:  I What is the optimal pH for Enzyme A?  2 23 0 the following questions:  I What is the optimal pH for Enzyme B?  2 What is the optimal pH for Enzyme B?  3 32 8 the following questions:  I What is the optimal pH for Enzyme B?  3 What pH RANGE do the 2 enzymes overlap?  4 Which of the 2 enzymes would become denatured in