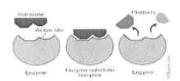
Name

Period	<u> </u>
Due date	



Enzyme Action

DIRECTIONS: Tear off the Molecule Page (last page) of this lab, then color the three molecules three different colors. Next read the story below and glue the molecules in their appropriate places.

STEP 1 - You just drank a tall, cold glass of milk. Milk contains the sugar **lactose**.

STEP 2 - Your body wants to digest the milk sugar lactose into the simple sugar glucose, so your pancreas releases the enzyme **lactase** into your small intestine.

STEP 3 - Lactase and lactose bond. Lactose fits into the active site of the lactase enzyme and forms the **enzyme-substrate complex**.



ANALYSIS AND CONCLUSIONS:

1. The	other name for the en	zyme-substrate	comple	x is:			
	A. Cup and saucer model B. Car and driver model			C. Ladder and climber model D. Lock and key model			
2. Ano	ther way to say enzyn	ne is:					
	A. Catalyst	B. Catastroph	ne	C. Caterpillar	D. Catnap		
3. Every chemical reaction requires an enzyme because the enzyme:							
	A. Provides products B. Speeds up the che C. Stops the reaction	emical reaction when it is com	plete	,			
4. Wha	nt is the name of the en	nzyme that wou	ld dige	st protein?			
	A. Lipase B. Amylase	C. Lactase D. Protease					
5. TRUE or F	'ALSE: Each enzyme	works on one s	specific	substrate based of	on its shape		
	10 20 30 40 50 mperature(°C)	rate of enzyme action.	1) <u> </u>	pancreatic lipase		
6. Accor	rding to graph A , at w	hat temperatur	e is enz	syme activity the	greatest?		
7. Accor	ding to graph B, what	is the optimum	n pH fo	or pepsin?			

BABY BLUES

BY RICK KIRKMAN & JERRY SCOTT



















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MOLECULE PAGE

