Name _____ Date _____ Period _____

Biology, 2nd 9 Weeks, Week 2.6-2.7 Warm-up 3

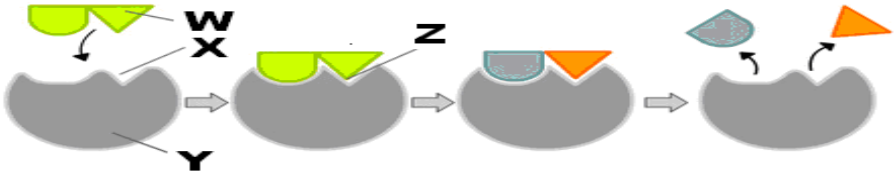
Directions: Answer the following questions using your journal as a resource and provide a justification for each question.

1. The enzyme amylase will affect the breakdown of carbohydrates, but it will not affect the breakdown of proteins. Which statement best describes why this occurs?

   a. there are many more carbohydrates in food than proteins
   b. one enzyme can only bind to one substrate
   c. the amount of glucose present in the cell
   d. the sequence of phosphates in ATP

Justification

2. The diagram above shows the interaction between a substrate and enzyme. Using the chart below, which correctly identifies the structures labeled W, X, Y, and Z?



Answer	W	X	Y	Z
A	Substrate Enzyme Complex	Substrate	Binding Site	Enzyme
B	Substrate	Binding Site	Enzyme	Substrate Enzyme Complex
C	Binding Site	Enzyme	Substrate Enzyme Complex	Substrate
D	Enzyme	Substrate Enzyme Complex	Substrate	Binding Site

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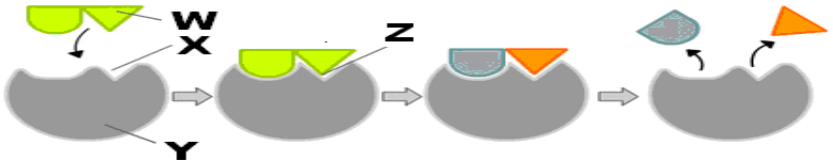

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