

Enzyme Review Worksheet

Part A: Define the following terms in your own word. Be clear and concise!

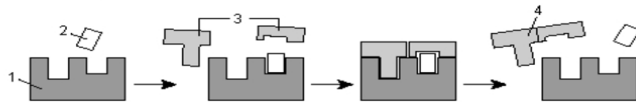
metabolism	
substrate	
enzyme	
active site	
coenzyme	
metabolic pathway	
activation energy	

Part B: Short Answers

1. In the pathway below, the letters stand for _____ and the numbers stand for _____. Each and every reaction in a cell requires a specific _____.



- If an enzymatic reaction is heated *slightly*, it will _____.
- Enzymes _____ the amount of activation energy necessary for a reaction to take place by _____.
- In the equation $S + E \rightarrow SE \rightarrow P + E$, what do the letters stand for?
S: _____ E: _____
SE: _____ P: _____
- Inorganic elements that aid in enzyme activity are called _____. Some examples are _____.
- Name two factors that can speed up enzymatic reactions. Be specific.
i. _____
ii. _____
- Enzymes have helpers called _____. A common example of the latter is NAD. What is the _____ function of NAD in _____ cells?
_____.
- Label the parts on this diagram.



1	
2	
3	
4	