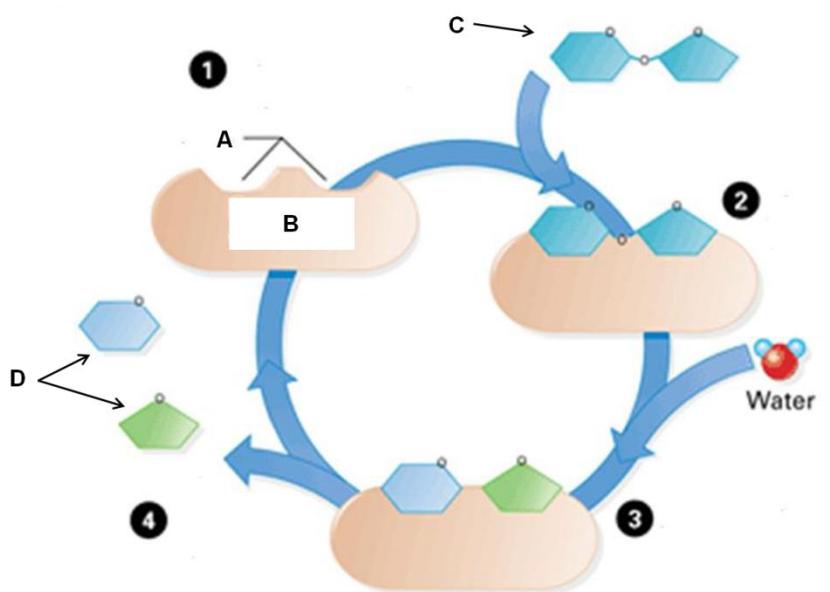


Enzyme Worksheet

1. Match the following words with their definitions.

- | | |
|-------------------------|--|
| _____ Product | a. Amount of energy required for a chemical reaction to occur. |
| _____ Active site | b. Substances that bring about a chemical reaction without being changed itself. |
| _____ Enzymes | c. Substance that enzymes act upon. |
| _____ Catalyst | d. Regions on the surface of enzymes that fit the substrate. |
| _____ Substrate | e. Substance formed from the substrate at the end of a chemical reaction with an enzyme. |
| _____ Activation energy | f. Proteins that speed up chemical reactions. |

2. In the tables below, label the letters on the diagram using the terms substrate, products, enzyme, and active site. Then, provide descriptions for what is happening in steps 1-4 in the diagram.



Labels	
A	
B	
C	
D	

Descriptions	
1	
2	
3	
4	

Answers

- e
d
f
b
c
a

2.

Labels	
A	active site
B	enzyme
C	substrate
D	products

Descriptions	
1	enzyme enters the reaction
2	substrate binds to the active site of the enzyme
3	the substrate is converted into products
4	the products are released from the enzyme so that the cycle can start again