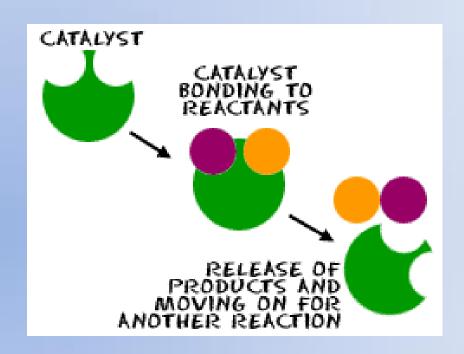
Enzymes

Identify and Investigate the role of enzymes.

1. What is a catalyst?

 A compound that speeds up the rate of reaction but is not used up in the reaction.



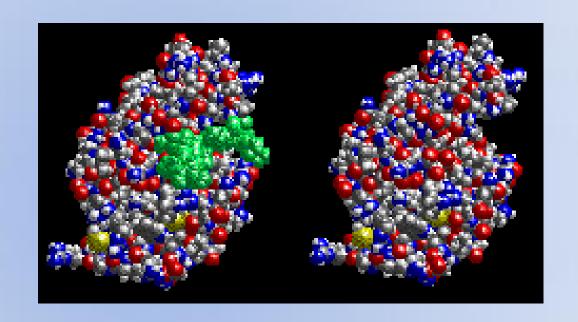
2. What is a biological catalyst?



 A catalyst that is used within the body of organisms to help with life functions.

3. What type of organic molecule is an enzyme?

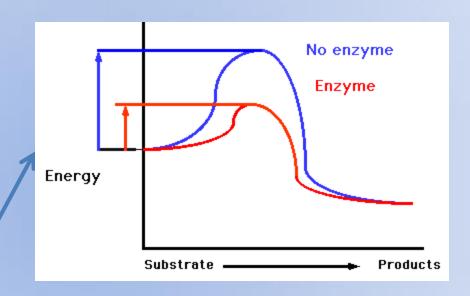
A protein!

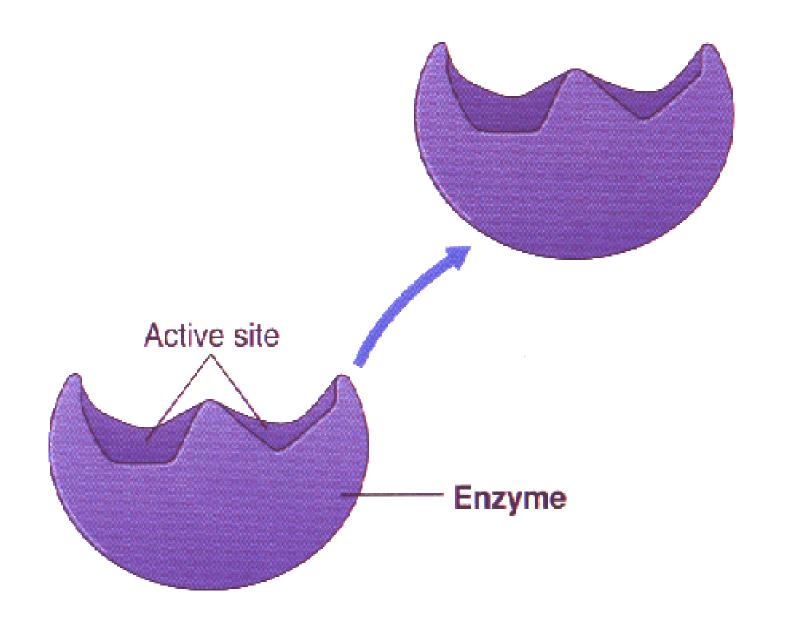


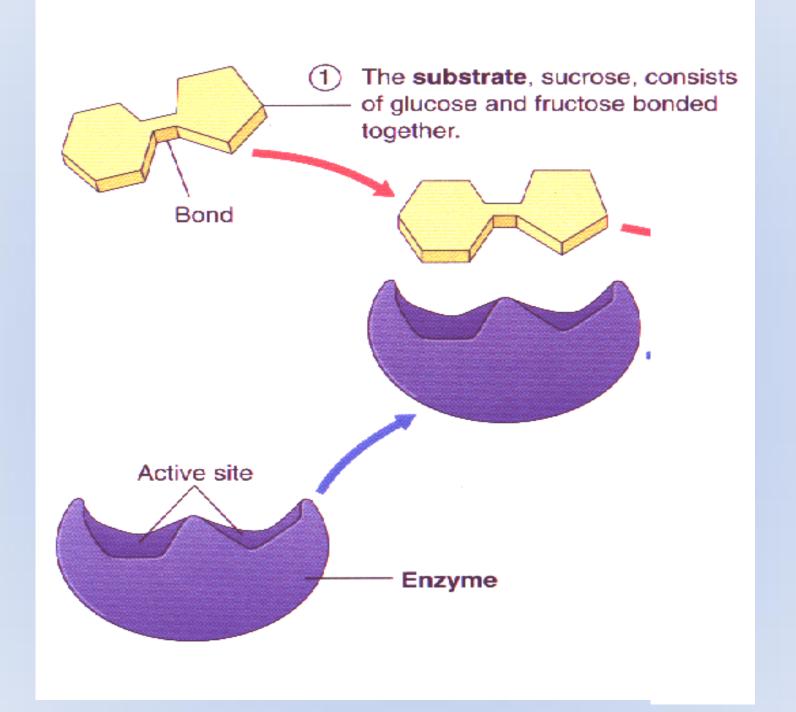
4. What is activation energy?

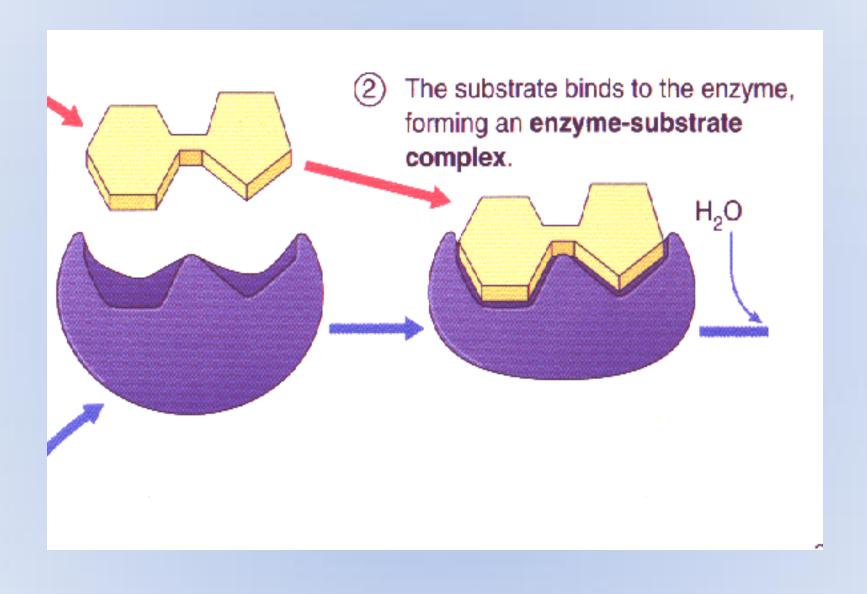
 The amount of energy required for a reaction to occur.

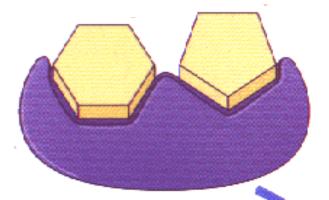
5. Draw This!!





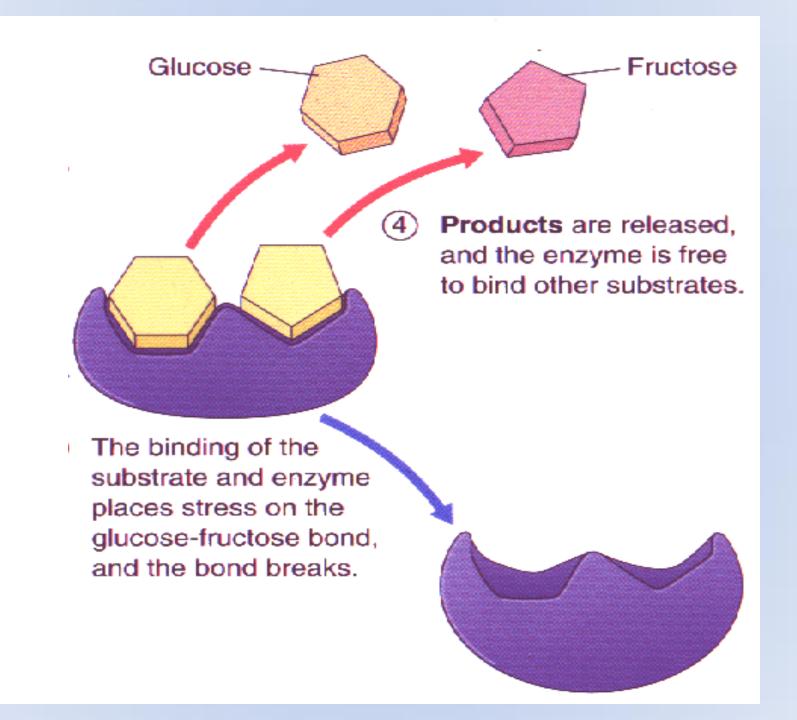




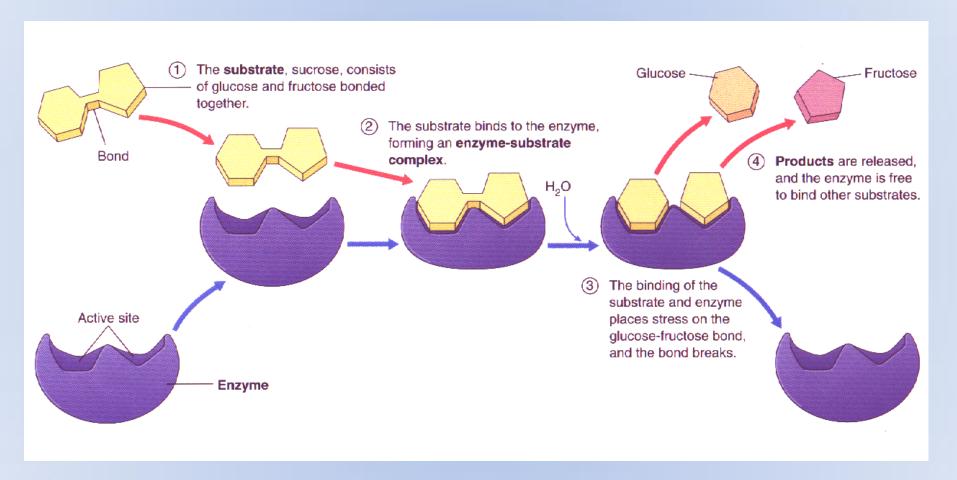


The binding of the substrate and enzyme places stress on the glucose-fructose bond, and the bond breaks.



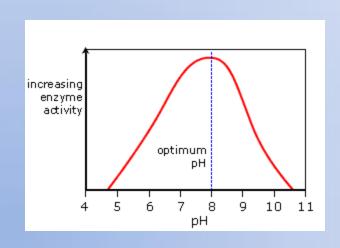


Enzyme Action!



7. Factors that affect Enzyme Activity

All enzymes operate within a narrow range of these factors:



- Temperature
- pH
- Substrate Concentration

