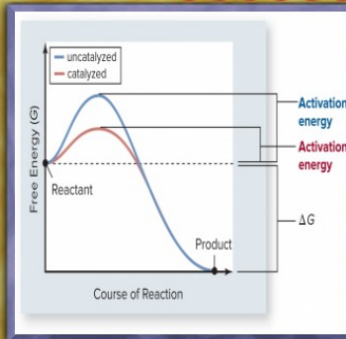


# BIOL 1110- 6.4.1



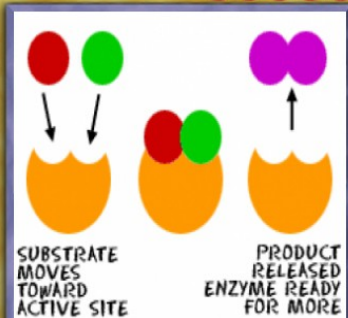
[Ch.3&6]  
Catalysts make the reaction go faster by reduces the amount of energy needed to complete the reaction

ATK/2500 DEF/2000

47050527

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# BIOL 1110- 6.4.2



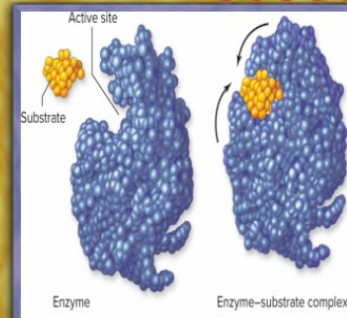
[Ch.3&6]  
Enzymes are catalytic proteins or RNA molecules  
They lower the energy required by bringing the two substrates together in correct orientation

ATK/1700 DEF/1600

63651595

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# BIOL 1110- 6.4.3



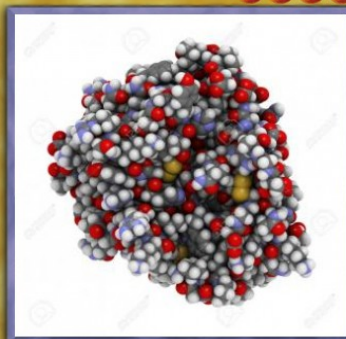
[Ch.3&6]  
Induced fit is to slightly change shape to fit substrate

ATK/1800 DEF/1900

20662541

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# BIOL 1110- 6.4.4 #1



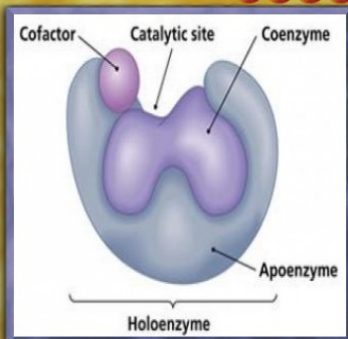
[Ch.3&6]  
Multienzyme complexes is like a bundle of enzymes  
Ribozymes are RNA molecules that act like enzymes  
Intra means on themselves; Inter means act on other molecules

ATK/1500 DEF/1400

08892586

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# BIOL 1110- 6.4.4 #2



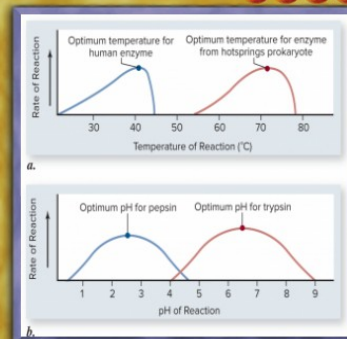
[Ch.3&6]  
Cofactors are metal ions and organics  
Coenzymes are nonprotein organic Cofactors

ATK/1300 DEF/1100

39870097

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# BIOL 1110- 6.4.5 #1



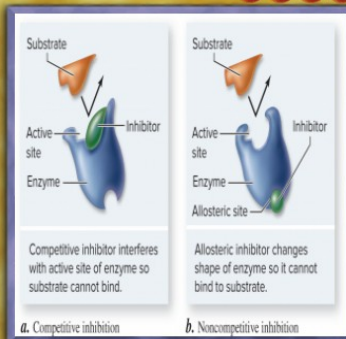
[Ch.3&6]  
Optimum point is where the enzymes can work at their best; lower is not at best and higher is tearing them apart

ATK/1200 DEF/1300

71884400

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# BIOL 1110- 6.4.5 #2



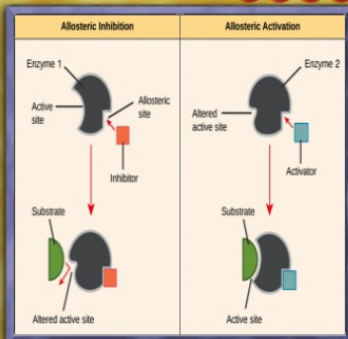
[Ch.3&6]

ATK/1400 DEF/1600

44689289

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# BIOL 1110- 6.4.5 #3



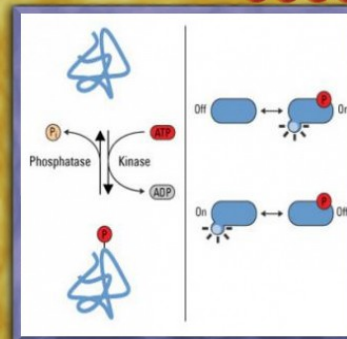
[Ch.3&6]  
Allosteric Regulation via enzyme

ATK/1300 DEF/1500

15255044

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# BIOL 1110- 9.1.3 (1)



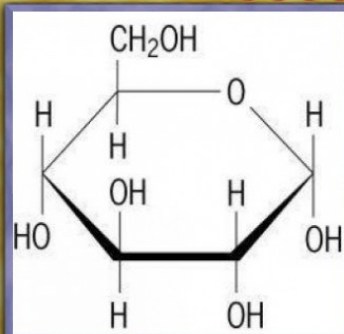
[Ch.3&6]  
Phosphorylation is edition or removal of phosphate group; can either turn on or turn off proteins

ATK/1300 DEF/1500

93454419

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BIOL 1110- 3.2 #1



**[Ch.3&6]**  
Carbohydrates are the energy storages that can transport sugars

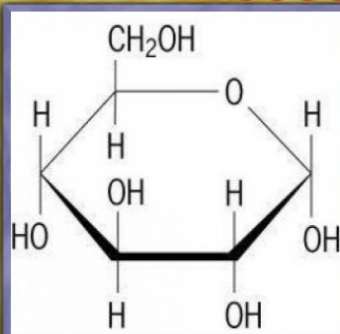
ATK/1300 DEF/1500

67844249

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BIOL 1110- 3.2 #2



**[Ch.3&6]**  
Starches are energy storages in Plants  
Glycogens are energy storages in Animals  
Cellulose are biological structures

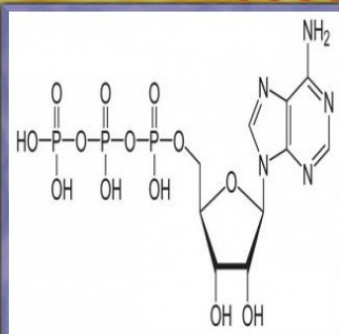
ATK/1200 DEF/1500

05320090

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BIOL 1110- 3.4.4



**[Ch.3&6]**  
ATP is a nucleotide that stores and releases energy;  
FAD and NAD+ are electron carriers  
Nucleotides also make up Nucleic Acids

ATK/2600 DEF/2700

19456265

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