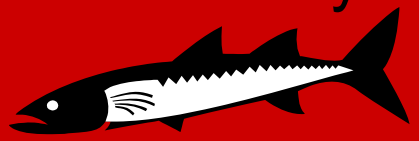
Attitude is Everything!



Friday, Sept 29, 2017

Pick up: Enzyme graphing

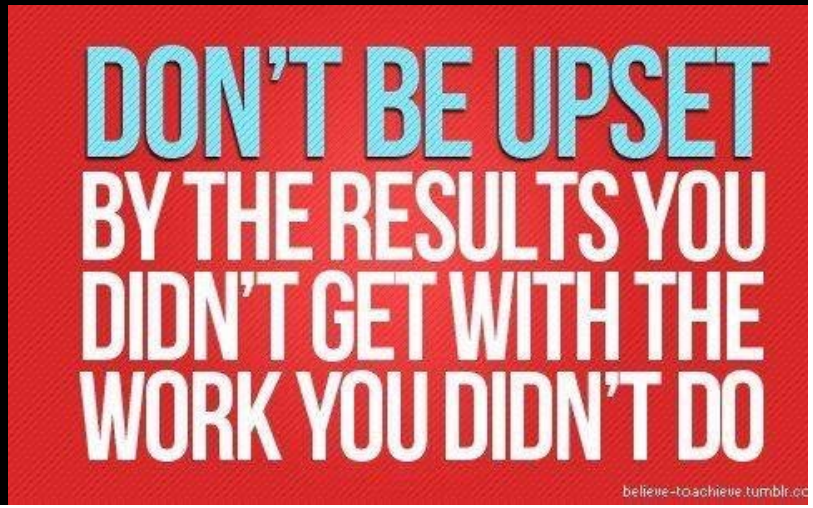
Today you will:

1. Finish notes-pg 3
2. Enzyme Graphing

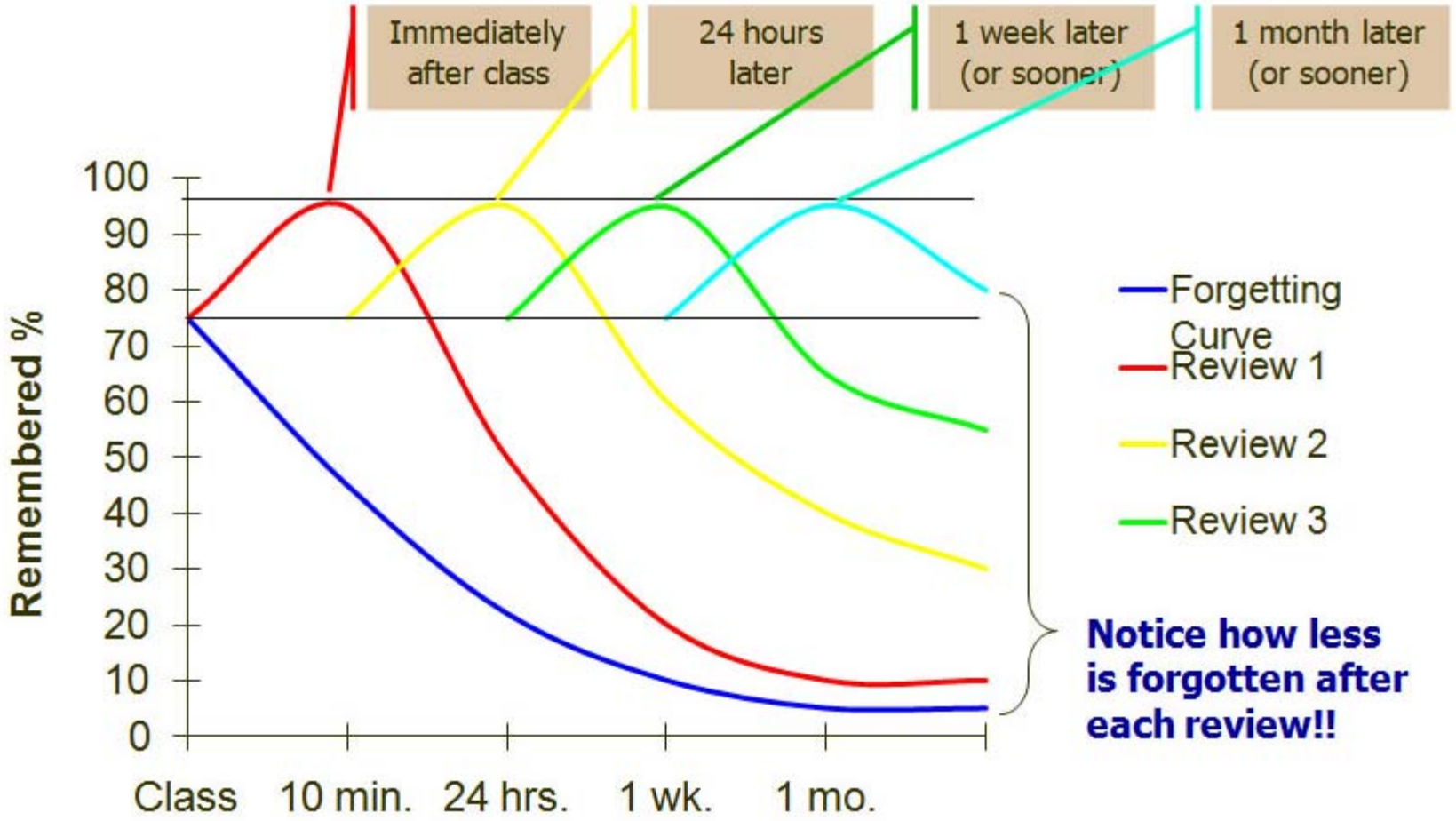
Please make sure your **phones** are in your **bags**.

Homework/Planner:

Complete CNs



Overcoming the Curve



http://www.youtube.com/watch?v=jtTrlxwuReY&safe=active

DSQ

- ***Carbo or enzyme?***

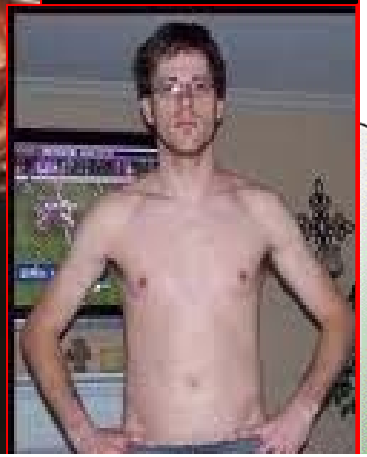
1. ***Sucrose***
2. ***Lactose***
3. ***Cellulose***
4. ***Fructose***
5. ***Lipase***
6. ***Endonuclease***
7. ***Protease***
8. ***Endopeptidase***

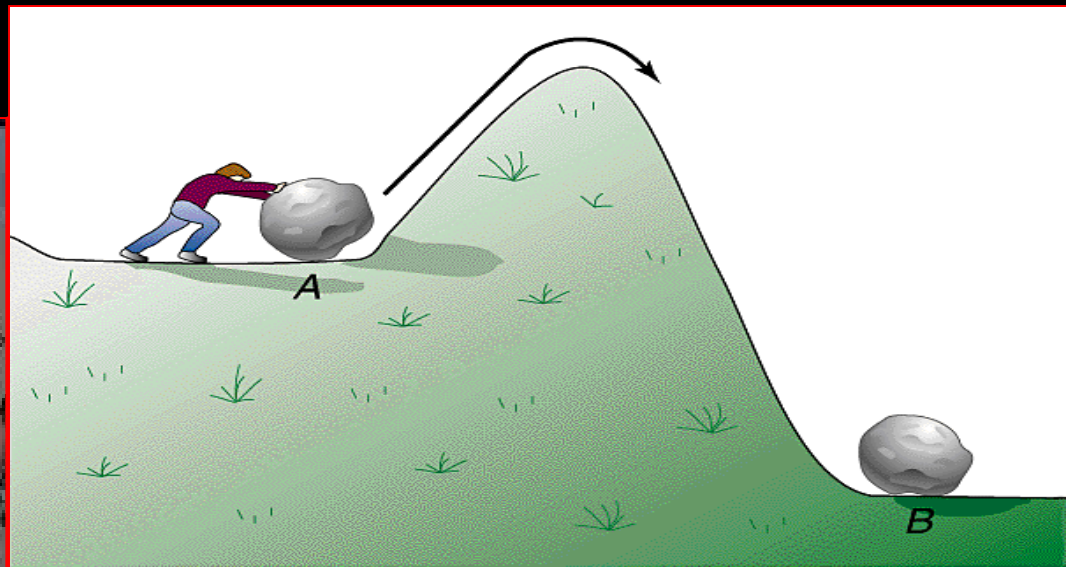
Carbohydrates end in -ose

Enzymes end in -ase

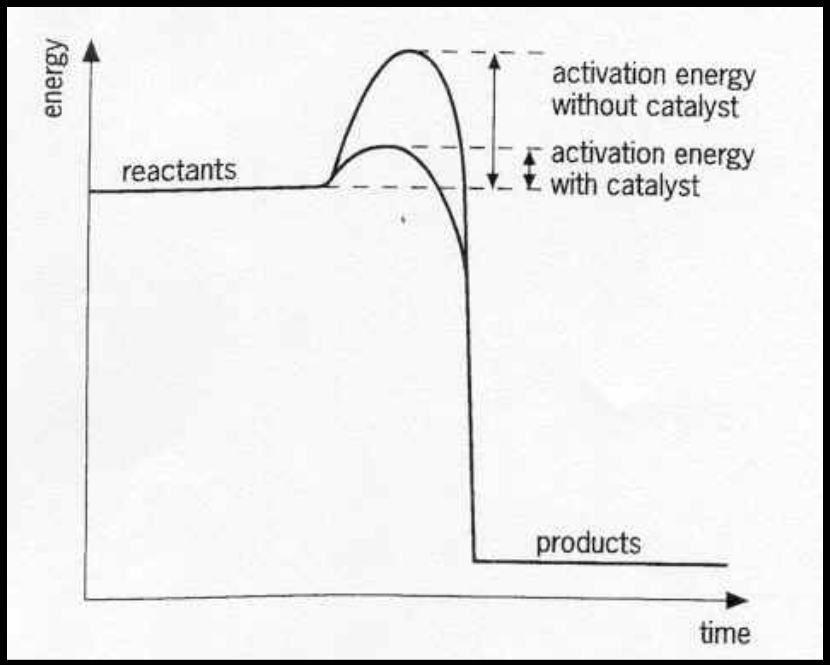
For example…

- **Which guy LOWERS the Activation Energy → *Which guy would take less "Energy to Activate" the moving of the rock?***
  - The guy who obviously "includes ENZYMES" in his diet?
  - Or the guy who obviously "does NOT include enzymes" in his diet?

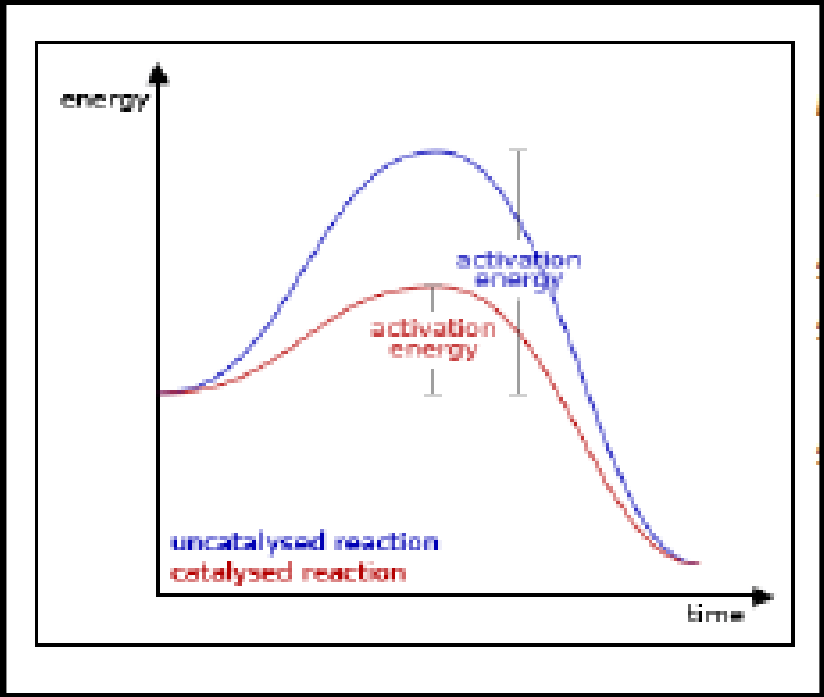




1. IV = enzyme
2. DV = energy/rxn time
3. Without catalyst uses more energy
4. Catalyst initiates chemical reactions
5. Reactants on the left, products on the right

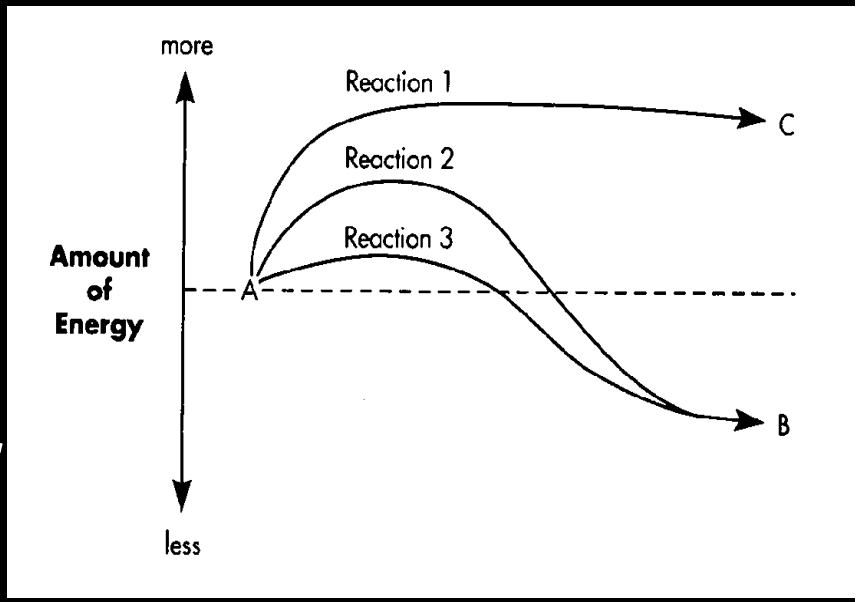


6. IV = enzyme
7. DV = energy/rxn time
8. ‘uncatalysed reaction’ = without an enzyme present
9. enzyme lowers the activation energy required to initiate a chemical reaction



10. Which of the following statements regarding the graph is true?

    b. The difference between the graphs shown for Reaction 2 and Reaction 3 is because of a difference in the activation energy of these reactions.



11. Reaction 3 in the graph

    a. probably occurred in the presence of a catalyst (meaning an enzyme)

Enzyme Graphing

- Use the first data table to make Graph #1 & the second data table to make Graph #2.
- Answer the questions on page 5.
- Turn in Wednesday, Oct 4.