Chemistry CP

Name:

Homework: Reaction Kinetics

Section:

1. Work on nutrition project	Tuesday, 4/30
2. Kinetics Handout questions 1-6	Wednesday, 5/1
3. Kinetics Handout #7-11	Thursday, 5/2
4. Kinetics Handout #12-14	Friday, 5/3
5. Complete final draft of nutrition project	Monday, 5/6
6. Study for FFF#16 7. Prepare summary card	Tuesday, 5/7
8. Finish virtual minilab	Wednesday, 5/8

Dates to Remember:

FFF#16 Tuesday, 5/7

Some Useful Websites:

http://chemistry.about.com/library/weekly/aa100702a.htm
http://www.chem4kids.com/files/react_rates.html
http://www.chem4kids.com/files/react_catalyst.html
http://www.wwnorton.com/college/chemistry/gilbert2/chemtours.asp
Chapter 14 Reaction rates & collision theory tutorials
http://www.chemguide.co.uk/physical/basicrates/introduction.html
http://www.algebralab.org/practice/practice.aspx?file=Reading_PotentialEnergyDiagrams.xml
http://www.800mainstreet.com/7/0007-004-reac_rate2.htm
http://chem.salve.edu/chemistry/temp2a.asp collision theory
http://m.everythingscience.co.za/grade-12/03-reaction-rates/03-reaction-rates-03.cnxmlplus

After studying this unit, you should be able to:

- Interpret and express the meaning of the rate of a chemical reaction.
- Calculate the initial rate of reaction using experimental data.
- Explain, using collision theory, how the rate of a chemical reaction is influenced by the temperature, concentration, particle size of reactants, and catalysts.
- Interpret potential energy diagrams to find the activation energy and enthalpy change for a chemical reaction.
- Explain how activation energy affects reaction rate.