***Rates Unit Review***

* Determine the rate of a chemical reaction by analyzing data or a graph.
* Understand that the rates of consumption of reactants and formation of product are linked through stoichiometry.
* explain, using collision theory, the factors that affect the rate of a reaction and how changes in these factors are able to control the rate of a chemical reaction
* determine the rate law expression of a reaction by comparing experimental data to determine the order of the reaction with respect to all reactants.
* Determine the order of a reactant in the rate law by analyzing graphical data.
* Assess the validity of a reaction mechanism. Identify reaction intermediates and catalysts.
* Show a connection between the experimentally determined rate law and the proposed mechanism.

Suggested Review Questions:

Page 395 #1-3,5,6,8,9

Page 397 #30,32-35,41,50

Page 398 #52,54,56,60,65

Page 400 #66,67,71