***AP Chemistry***

Kinetics Assignment Sheet

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| **Date** | **In Class** | **Assignment** |
| 10/15 | Gases Test | Go into Self-service and install LoggerPro on your Macbook (look under Science)  Finish Molar Volume of a Gas minilab Read/highlight chapter 14 outline |
| 10/18 | POGIL: Reaction Kinetics |
| 10/19 | Method of Initial Rates (Desmos)  Molar Volume of a Gas minilab due in class | Net ionic equations practice (Desmos) |
| 10/20 | Integrated Rate Laws (Group Learning Activity) | Online HW site #44--10 problems, upload receipt in Google Classroom |
| 10/21 | Collision Theory and PE diagrams | Work on CALM |
| 10/22 | Integrated Rate Laws  Half-life and first order processes (Desmos) | Study for quiz on reaction kinetics |
| 10/25 | Quiz on reaction kinetics  Chapter 14 Problem Set | Online HW Site #71--Complete 5 problems Work on CALM |
| 10/26 | Reaction Mechanisms | Online HW Site #72--Complete 5 problems Work on CALM |
| 10/27  ER | Arrhenius equation (Desmos) | Work on CALM |
| 10/28 | Chapter 14 problem set | Prelab questions for kinetics lab (Pivot) |
| 10/29 | Lab #5: Kinetics of Dye Fading | Finish CALM\* (due 11/1 by 11:59 pm) |
| 11/1 | AP Classroom problem set | Chapter 14 summary card |
| 11/3 | Kinetics MCQ practice  Wrapup/review | Study for chapter 14 test |
| 11/4 | Chapter 14 test | Work on kinetics minilab  Read/highlight Chapter 15 outline |
| 11/5  Term 1 ends | Writing equilibrium constant expressions  Heterogeneous equilibria  Kc vs. Kp |

[Reaction Kinetics and Rate Laws](https://youtu.be/8IcaD_pcIQc)

[Rate Laws and the Method of Initial Rates](https://youtu.be/m8vQk9zw6WA)

[Collision Theory and PE Diagrams](https://youtu.be/0wLHGKfqrcQ)

[Reaction Mechanisms](https://youtu.be/eK3Ngwf4iTE)

[The Arrhenius Equation](https://youtu.be/3fXIYGSyyQM)

[Half-life](https://youtu.be/Amue5_zsZEo)