***AP Chemistry***

Stoichiometry Assignment Sheet

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| **Date** | **In Class** | **Independent Work** |
| 8/31  Long E | Set up portfolios, get handouts, etc.  Ch. 3 Problem set: Gas Stoichiometry & the Ideal gas law  LR and stoichiometry practice (Desmos) | \*Sign and return safety contract (hard copy)  Upload syllabus acknowledgement in GC  Desmos polyatomic ions activity (posted in GC) |
| 9/1 | Do now: Empirical formulas & combustion analysis practice (Desmos)  Ch. 3 problem set | Work on CALM problem set |
| 9/2 | Do now: Molarity review (Desmos)  Chapter 3 Problem Set | Work on CALM  Prelab: read lab handout & set up [lab notebook](http://drvanderveen.com/ap-chemistry/ewExternalFiles/AP%20lab%20notebooks.pdf) |
| 9/6 | Lab #1: Gravimetric Analysis of a Metal Carbonate (Guided inquiry lab)  While you wait: Net Ionic Equations Intro (Desmos) | AP Classroom problem set |
| 9/7 | Get final lab data  Active Learning Activity: Net Ionic Equations | Work on lab #1 handout |
| 9/8 | % composition (Desmos)  Chapter 4 problem set | \*Prepare chapter 3 summary notecard  Study for Chapter 3 quiz ([Notes](https://chem.libretexts.org/Bookshelves/Inorganic_Chemistry/Supplemental_Modules_and_Websites_(Inorganic_Chemistry)/Chemical_Reactions/Limiting_Reagents) & [online practice](https://www.sciencegeek.net/Activities/LimitingReactant2.html)) |
| 9/9 | Chapter 3 quiz (empirical formula & LR)  Ch. 4 problem set | Print Ch. 4 outline & highlight  Work on lab #1 handout |
| 9/12  Long E | POGIL activity: SASB Titrations | Finish lab #1 handout  CALM problem set |
| 9/13 | \*Lab #1 due  Stoichiometry and titrations (Desmos)  Ch. 4 problem set | CALM problem set (due 9/20 at 9:00 pm) |
| 9/14  ER | Balancing redox reactions in acidic conditions | \*Lab #2 Prelab assignment (read lab handout, set up lab notebook)  Work on CALM (due 9/19 at 11:59 pm) |
| 9/15 | Lab #2: Finding the Mole Ratio for a Reaction (Guided Inquiry Lab) | AP Classroom assignment |
| 9/16 | Redox titrations (Desmos)  Ch. 4 problem set | Make chapter 4 summary card  Finish CALM (due 9/19 at 11:59 pm) |
| 9/19 | Chapter 3/4 wrapup & review  Mixed Practice/MCQ practice | Study for stoichiometry test |
| 9/20 | **Stoichiometry (Chapters 3 & 4) Test** | print Ch. 5 outline & highlight  Work on lab #2 group formal lab report |
| 9/21  Long E | POGIL: Calorimetry | Work on lab #2 group formal lab report |
| 9/22 | Hess’ Law Problems | Podcast: [Hess’ Law](http://teachertube.com/viewVideo.php?video_id=116573&title=Hess_s_Law&ref=kvanderveen)  Complete Lab #2 formal lab report (due 9/216) |

Additional resources: [Molarity podcast](http://www.youtube.com/watch?v=Ed1S0fLBqk4&feature=plcp)

[Titration podcast](https://youtu.be/70f7gt1Id50)