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|  | AP Chemistry | Honors Chemistry |
| Monday | **Review Lab Results: Energy in Chemical Reactions - Pasco #11**  **Hand in Lab sheets**  AP chemsolutions Unit IV – Thermodynamics   1. Thermodynamics II 2. Enthalpy of Formation   Complete slides 46-60 and HW #9-19 | 1. **Quiz 10.1-10.2** 2. Notes & discussion - 10.3 Percent composition. Slides 1 – 51 Objectives:    1. **Calculate the percent by mass of an element in a compound**    2. Interpret an empirical formula    3. Compare and contrast empirical and molecular formulas |
| Tuesday | Grade Problems 9-19  AP chemsolutions Unit IV – Thermodynamics   1. Thermodynamics III    1. **Entropy**    2. Free Energy 2. Notes & discussion Slides # 1-22 3. HW: complete Problems 1 thru 7 on Thermo III Worksheet | 1. Notes & discussion - 10.3 Percent composition. Slides 52-85 Objectives:    1. Calculate the percent by mass of an element in a compound    2. **Interpret an empirical formula**    3. **Compare and contrast empirical and molecular formulas**   Complete 10.3 Review & Practice Problems. |
| Wednesday | Grade Problems 1 thru 7   1. Thermodynamics III    1. Entropy    2. **Free Energy** 2. Notes & discussion Slides # 23 - 46 | Grade/Review Grade - Section 10.3 Review & Practice Problems.   1. Lab: Percent Composition |
| Thursday | * Complete Problems 8 thru 20 on Thermo III Worksheet | Review results Lab: Percent Composition  Complete 10.3 Practice problems (25 Q) |
| Friday | * Review/Grade 8 thru 20 on Thermo III Worksheet * Complete Thermodynamics practice exam. * **THERM EXAM WILL BE MONDAY Feb 6th 2017** | Grade 10.3 Practice problems (25 Q)  Complete Chapter 10 Review  Also: Look at Review @ ​[Chapter 10 Test Review](http://pberan.weebly.com/uploads/5/7/7/3/57730581/ch._10_test_review___answers_to_prob._pp.338-339.docx)  <http://pberan.weebly.com/honors-chemistry.html> |
|  | * What are we learning? Thermochemistry * Why are we learning this? One of the big 5 topics in AP Chemistry. * How will we know when we have learned this? Successful completion of HW, Labs and Exams over this Unit. | What are we learning? Moles  Why are we learning this? Basis of all chemistry reaction calculations  How will we know when we have learned this? Successful quiz results on Monday |