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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 – Thermodynamics1. 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
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| Tuesday | Grade Problems 9-19AP chemsolutions Unit IV – Thermodynamics1. 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 71. 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
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| Thursday | * Complete Problems 8 thru 20 on Thermo III Worksheet
 | Review results Lab: Percent CompositionComplete 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 ReviewAlso: 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? MolesWhy are we learning this? Basis of all chemistry reaction calculationsHow will we know when we have learned this? Successful quiz results on Monday  |