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|  | AP Chemistry | Honors Chemistry |
| Monday | 1. Hand in HW: Chemical reaction review questions (FR III)
2. Review HW –problems # 4-6
3. Continue notes and discussion - Thermodynamics I slides # 19-31
	1. HW –complete problems # 8-12
 | Finish Problems sheet for Chapter 9 Exam1. Start Notes 10.1 – The Mole
	1. Demo: Sample Moles of Various elements.
	2. Mole in the hole demo.
	3. Handout mole map

HW: Read Section 10. 1 & Complete Worksheet 10.1 |
| Tuesday | Quiz: AP Thermo I ProblemReview HW Problems #8-12 from Thermo I* AP chemsolutions Unit IV – Thermodynamics
* Handout noteslides and worksheets form Thermodynamics II.
1. Thermodynamics II
	1. Calorimetry

Complete slides 1-32 and HW Problems 1-4 | 1. Finish Notes 10.1
	1. Demo: Sample Moles of Various elements.
2. Lab: Complete Measuring mass: A Means of Counting SSL
3. HW: Finish Lab Calculations & Worksheet 10.1
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| Wednesday | Review HW Problems #1-4 from Thermo II* AP chemsolutions Unit IV – Thermodynamics
1. Thermodynamics II
2. Hess’s Law

Complete slides 33-40 and HW Problems 5-8 & Pre-lab questions for **Lab: Energy in Chemical Reactions - Pasco #11** | 1. Grade: Lab Calculations & Worksheet 10.1
2. Complete Lab : Now it is your turn #1 -# of atoms in CaCO3
3. Hand out Mole maps
	1. Explain how to use them.

HW: read 10.2 |
| Thursday | Review HW Problems #5-8 from Thermo II**Lab: Energy in Chemical Reactions - Pasco #11**Module 1 – Dissolution of NH4NO3. | 1. Notes & Discussion 10.2

HW -section review & Practice ProblemsComplete additional practice problems 10.2 |
| Friday | **Lab: Energy in Chemical Reactions - Pasco #11**Module 2 – Limiting Reagants.* AP chemsolutions Unit IV – Thermodynamics
1. Thermodynamics II
2. Enthalpy of Formation

Complete slides 46-60 and HW 9-19 | Complete additional Practice Problems 10.2Quiz 10.2 will be Monday, Jan 30, 2017  |
|  | * 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 Friday.  |