

Date	Events	Homework
3/3-3/4	Gas Law Test	
3/5-3/6	New unit: Unit 8 -Dilution Inquiry Lab Go over Dilution Inquiry Lab Lecture 1-Molarity and Dilution notes slides 1-4 (some independent work) Start working on Problem Set 8.01 #1-4, 6, 9, 14 (17, 21,23-hold off on until Monday)	Start anchor chart for review? Problem Set 8.01 #1-4, 6, 9, 14 (17, 21,23)
3/9	Warm-up problem in white slide notes, #7 on the makeup assignments (asking them to write the formula for sodium sulfate) Lecture 1-Molarity and Dilution notes slides 6 and 7 (some independent work) Finish Molarity and Dilution problems: 8.01 #17, 21, 23 and 8.02 #1, 2, 4, 7, 9, 11, 14 If time-go over 8.02	Problem Set 8.02 #1,2,4,7,9,11,14
3/10-3/11	Lecture 2-Introduce equilibrium and Law of Mass Action, Keq (Watch AP Chemistry lecture 13-1: Equilibrium from beginning to 31:32) Try slide 7 on own in groups then check the answer key Students take notes/research on element Element of the week - K (elephant toothpaste) (1st and 3rd block will get demo next time) Work on 8.03 #1,2, and odds on rest	Work on 8.03 #1,2, and odds on rest Complete 8.01 and 8.02 if needed
3/12-3/13	Homework check quiz 8.01 17,21,23 8.02, 8.03 Lecture 3-Easy ICE problems Element of the Week-W (paint can) Demo for elephant toothpaste for blue day	Problem Set 8.04 #1,2,4,7
3/16	Go over 8.04 by doing warm up problem in Lecture 4 Lecture 4-Harder ICE problems (#1 in class to start) Start working on 8.05	Problem Set 8.05 (1, 2,4,5,6,7)
3/17-18	Conductivity Demonstration quickly Holey Moley Lab	Complete lab
3/19-20	Go over 8.05 (see last slide of lecture 4 for warm-up problem) Question and answer on Holley Moley Lab Qualitative Equilibrium Lab	

	Go over Qualitative Equilibrium Lab	
3/23-27	Spring Break!	
3/30	Staff Development Day	
3/31-4/1	Go over Qualitative Equilibrium Lab (if needed) Turn in Holey Moley Lab Lecture #6 on Le Chatelier's Principle LeChat Demo: NO_2 vs. N_2O_4 Work time	Problem Set 8.06
4/2-3	Go over Problem Set 8.06 Review animations/pHet on Le Chatelier's Element of the Week - Au (oscillating clock) Lecture #5 on Q One question quiz on ICE problems (longer ICE)	Problem Set 8.05 (10,11,12)
4/6	Go over 8.05 (#10, 11, 12)-warm up problem Go over longer ICE quiz and hand back Solubility Lecture #1 - Solubility Rules, Definition of Solubility Discuss CMAS test for juniors not in physics	Problem Set 9.01 and Solubility Bracket
4/7-8	Go over Problem Set 9.01 and Bracket Solubility Lecture #2 Work time- time to redo longer ICE quiz? Element of the Week - Au (oscillating clock) Hand out Element of Week/Conceptual questions, Equilibrium review-work time	Problem Set 9.02 (#1-8, 10, 12) and Problem Set 9.03 (odds)
4/9-10	Go over Problem Set 9.02, 9.03 Solubility Curve Lab	Complete Solubility Curve Lab, due 4/17-18
4/13	Q and A on solubility lab The surprising day of surprises #1 and #2 in partners	
4/14-15	State Testing Days	
4/16-17	Turn in Solubility Curve Lab New unit: Lecture 1- Acid-Base definitions, characteristics, neutralization reactions Element of the week-In (spoons) Work on Test review for Equilibrium and Solubility	Problem set 10.01 all and 10.02 evens due 4/23-4/27
4/20	Kahoot review for Equilibrium and Solubility Units	Study for Unit 8 and 9 Exam next class

4/21-22	Equilibrium and Solubility Exam	Problem set 10.01 all and 10.02 evens due 4/23-4/27
4/23-27	Go over 10.01, 10.02 (warm-up problems), Review Lecture 1 Lecture 2: Amphoteric, conjugate acids and bases, autoionization of water Milk of magnesia demo Work time- on 10.03 Lecture 6-Titrations (Example problem in lab groups) Work on 10.08	Problem Set 10.03 Problem set 10.08 (#1-4, 7, 8, 11, 13)
4/24	Staff Development Day	
4/28-29	Go over Problem set 10.03, 10.08 (warm-up) Lecture 3 - strong acid and bases, calculate pH and pOH Element of the week-Ca	Problem Set 10.05 (#1, 2, 4-8, 15)
4/30-5/1	Go over Problem set 10.05 Titration Lab	Finish lab
5/4	Turn in Titration Lab Lecture 5- Weak Acids and Bases slides 1-6 EOTW-Br (no notes-DRY ICE)	Problem Set 10.06 (1, 2, 3, 5, 8, 10, 11, 16, 17,18)
5/5-8	1. Lecture-Introduction to thermochemistry, calorimetry notes 2. Calcium acetate fireball 3. Work on 11.06 #2, 4-7 4. Hand out final review, work on notecard	Problem set 11.06 #2, 4-7
5/6	SNOW DAY!	
5/7-5/11	Nuts over Calories Lab Work on lab and go over problem set 11.06 Partner review quizzes-Acid Base surprise #1 and 2	Finish Nuts Over Calories Lab
5/12-13	Tie Dye Work on review packet, get both sides of notecard for final	
5/14-15	FINAL	
5/18-19	Lecture 2-Gibbs Free Energy and Entropy Work Time Poly snow and silicone bouncy balls	Problem set 11.04
5/20-21	Alchemy Lab and Electrochemistry notes	
5/22	Graduation	

5/25	Memorial Day	
5/26	Lecture 3 - Hess' Law Work on 11.05 Make Slime	Problem Set 11.05
5/27 Blue Finals 5/28 White Finals	Go over 11.05, Quiz, clean lab and drawers, party	
CUT 2023	Pre-lab Quantitative Lab (A and B Calculations) Quantitative Lab Large Keq problems Solubility Lecture 3 and Problem set 9.04/9.05 Excess acid/base calculations Step titrations Electrochemistry Redox Alchemy Lab Lecture 5- Weak Acids and Bases slides 7-10 were cut (we discussed 1-6 in 2025) Notes slides 7-10 are discussed in Online Lecture 4 on website (Extra Credit?)	Problem Set 10.06 (1, 2, 3, 5, 8, 10, 11, 16, 17,18)