

Chemistry Outline – Semester 2 – 2015-2016

<http://www.answers.com/article/819159/4-trends-in-the-periodic-table?format=list>

90/1	Wednesday 1/25	-Go over final exams -Start Hunting of the Elements Video (1hour 53 minutes) (http://www.pbs.org/wgbh/nova/physics/hunting-elements.html)
91/2	Thursday 1/26	-Continue Hunting of the Elements Video (http://www.pbs.org/wgbh/nova/physics/hunting-elements.html)
92/3	Friday 1/27	-Finish Hunting of the Elements Video -Read and notes 6.1 – 6.3 (BRING BOOKS!)
93/4	Monday 1/30	-Watch “The New Periodic Table Song” Video (3 minutes) -Watch “The Four New Elements Video (3 minutes) -Watch “Chemistry What is a Metal” Video (4:27 minutes) -Fill in blank periodic table, p. 178-179 textbook (BRING BOOKS!) – Atomic Radius & Reactivity lists what they need -HW: Periodic Table Crossword Puzzle (wait on across – 10, down – 5, 6, 8)
94/5	Tuesday 1/31	-Watch “Periodic Trends Atomic Radius” (6 minutes) -Students respond to questions after video -Periodicity Notes – Radius and Reactivity -Add roman numerals to periodic table -HW: Periodicity WS
95/6	Wednesday 2/1	-Periodicity Practice WS -HW: Finish Down - 6 & 8 on crossword puzzle (-Video: The Periodic Table (15 minutes) -Demo: Alkali Metals in Water (Na and K) -Video: Crazy Water Guy! (15 minutes) -YouTube: http://www.youtube.com/watch?v=sS3cIK9jIB8 (2 minutes) – Alkali Metals and Reaction (Explo...)
96/7	Thursday 2/2	-Chapter 6 Reading Quiz -Review – Periodicity Quiz WS -Periodicity Kahoot
97/8	Friday 2/3	-Periodicity Quiz -Read and notes 7.1 & 8.1
98/9	Monday 2/6	-Notes Sheet: Ionization Energy, Electron Affinity, Electronegativity w/practice problems on back -Handout Electronegativity Periodic Table -HW: Periodicity II WS and Finish 10 & 5 on Crossword
99/10	Tuesday 2/7	-Ionization Energy Video (6:15) http://education-portal.com/academy/lesson/ionization-energy-trends-among-groups-and-periods-of-the-periodic-table.html

		-Electronegativity Video (7:40) http://education-portal.com/academy/lesson/electronegativity-trends-among-groups-and-periods-of-the-periodic-table.html -Discuss Periodicity II WS Key → 10 leads to notes sheet -Notes Sheet: Ionic and Covalent Bonds -Read and notes 8.3, 8.4, 8.5
100/11	Wednesday 2/8	-Online Concepts in Motion – Chapter 8 – Ionic and Covalent Bonds (you tube video: Ionic vs Covalent Bonding) -Finish Ionic and Covalent Bonds/Polarity notes sheet -Linear Molecules Chart on back of notes (Lewis, structural formula, bond type, polarity)
101/12	Thursday 2/9	-Literacy (Note card) activity – build models too! -Online Concepts in Motion – Chapter 8 – Molecular Shapes (1 st two examples) -Molecular Geometry Notes Sheet -Show Models
102/13	Friday 2/10	-Finish Molecular Geometry Notes Sheet -Start Periodic Families Table – do I-III together, finish rest for Monday
103/14	Monday 2/13 (Extended ADV)	-Check Table IV-VII (Filled in Flip Chart) -Start Lab 11 – Molecular Geometry
104/15	Tuesday 2/14	-Lab 11 - Molecular Geometry
105/16	Wednesday 2/15 (Extended ADV)	-Review for Quiz (Kahoot) -WATER DEMO! (Rabbit and Silk) -Show pictures of Electron Hair -Lab 11 – Molecular Geometry
106/17	Thursday 2/16	-Reading Quiz Chapter 7 & 8 (7.1, 8.1, 8.3, 8.4, 8.5) -Finish Lab 11 (Molecular Geometry) -Hand out Review Packet
107/18	Friday 2/17	-Go through Review Packet (Kahoot) -Molecular Geometry Lab Due - Check Shape and Polarity together in class -Read and Notes Chapter 12
108/19	Monday 2/20	-Periodicity and Bonding Exam
109/20	Tuesday 2/21 (ER)	-Go through exam -Bill Nye States of Matter Video (about 25 minutes) – saved in Chemistry folder -Heating Curve for Water Graph Notes (Start)
110/21	Wednesday 2/22	-Finish Heating Curve for Water Notes -Heat Notes (All except bottom 3 problems) -Set up Heat of Fusion Lab 12
111/22	Thursday 2/23	-Chapter 12 Reading Quiz -Bottom 3 problems on Heat Notes -Continue Lab Set-up

112/23	Friday 2/24	- Lab 12 – Heat of Fusion of Ice (NEED ICE!!!) -Read and Notes Chapter 13
113/24	Monday 2/27	-Discuss lab calculations -Bill Nye Pressure Video (about 25 minutes)
114/25	Tuesday 2/28 (ACT Juniors)	-Education Portal Video:Pressure (http://education-portal.com/academy/lesson/pressure-and-temperature-conversions.html) - Stop at dimensional analysis (@5 min) -Pressure Notes -Pressure Demo (Long Straw w/food coloring) - HW: Pressure WS
115/26	Wednesday 3/1	- Heat of Fusion of Ice Lab Due -Start Boyle's and Charles' Law Notes -Balloon and Pressure Vase Demos - HW: Boyle's and Charles' Law WS
116/27	Thursday 3/2	- Chapter 13 Reading Quiz -Continue Boyle's and Charles' Law - HW: Finish Boyle's and Charles' Law WS
117/28	Friday 3/3	-Amonton's & Avogadro's Law Notes -Pressure (steel sphere) and Balloon Demos - HW: Amonton's & Avogadro's Law WS
118/29	Monday 3/6	-GAS LAWS REVIEW HALF SHEET (write formulas on own on back first) -Amonton & Avogadro Continued - HW: Boyle's, Charles', Amonton's and Avogadro's WS *COLLECT #9 AND 2 Kahoot Questions
119/30	Tuesday 3/7	-Combined Gas Law Notes - HW: Combined Gas Law WS and WS Written by Students
120/31	Wednesday 3/8	-Kinetic Molecular Theory Video - http://education-portal.com/academy/lesson/the-kinetic-molecular-theory-properties-of-gases.html (6:46 minutes) -Ideal Gas Law Notes - HW: Ideal Gas Law WS
121/32	Thursday 3/9	-Gas Laws Worksheets Work Day -Gas Laws and States of Matter Review Packet (#13 a-e to prepare for Monday's Quiz) -States of Matter/Gas Laws Kahoot - HW: Gas Laws WS and Review Packet
122/33	Friday 3/10	- Gas Laws Quiz -Time to work on Review Packet
123/34	Monday 3/13	- States of Matter and Gas Laws Exam
124/35	Tuesday 3/14 (ER)	-Lab Write-up through data table due tomorrow
125/36	Wednesday 3/15	-Pre-lab Molar Volume of Gas
126/37	Thursday 3/16	- Molar Volume of Gas Lab

		-Read and Notes Chapter 14
127/38	Friday 3/17	-Work on Lab Calculations -Read and Notes Chapter 14
128/39	Monday 3/20 (Sign up for root beer float lab)	-Molar Volume of Gas Lab Write-up Due -Concentration of Solutions Notes (stop after Molarity) -HW: Solutions/Concentrations WS #1 (5 - 9)
129/40	Tuesday 3/21	-Finish Concentration of Solutions Notes (% Composition) -HW: Solutions/Concentrations WS #1 (1 - 4) Solutions/Concentrations WS #2
130/41	Wednesday 3/22	-Dilutions from Concentrated Solutions Notes -HW: Solutions/Concentrations WS #3 (7 & 9 are Dilutions) Dilutions WS on back of notes sheet
131/42	Thursday 3/23 (PT Conferences)	-Chapter 14 Reading Quiz -More Practice: Molarity Problems WS -Concentration/Dilution Quiz Review WS
132/43	Friday 3/24	-Go through Quiz Review -Work on worksheets -Read and notes Chapter 16
	Monday 4/3	Concentration/Dilution Quiz -Read and notes Chapter 16
133/44	Tuesday 4/4 (End 3 rd QTR)	-Video on colligative properties (making ice cream and boiling water 5:16 min) http://www.youtube.com/watch?v=x-omONdCio -Colligative Properties Notes -Talk about Root Beer Float Lab -Had about 20 minutes left for reading notes
134/45	Wednesday 4/5	-Root Beer Float Lab -Write conclusion about what they observed/learned -Time to read/notes Chapter 16
135/46	Thursday 4/6	-Video: Chemical Kinetics and Collision Theory (World of Chem DVD 2) (@15 min) - Collision Theory.mp4 (@ 5 min) -Reaction Rates & Collision Theory Notes (front page) -HW: Study Guide 16.1 p.100 & 101
136/47	Friday 4/7	-Check Study Guide 16.1 -Video-Factors that Affect Rxn Rate – 1 st part (@7min) -Reaction Rates & Collision Theory Notes (back page) -??Music Video Rxn Rates (3:30min) http://www.youtube.com/watch?v=XX9Xo6zm_kM -HW: Study Guide 16.2 p.102
137/48	Monday 4/10	-Check Study Guide 16.2 -Reaction Rates Pre-Lab -Work on Study Guide
138/49	Tuesday 4/11	-Reaction Rates Lab – Part A

139/50	Wednesday 4/12	-Reaction Rates Lab – Part B (NEED ICE!!)
140/51	Thursday 4/13	-Chapter 16 Reading Quiz -Check 1st 2 pages of Study Guide -Graph results in lab
141/52	Tuesday 4/18	-Catalyst Video (World of Chem DVD 2) -Reaction Rates Demos
142/52	Wednesday 4/19	-Rate Law/Reaction Mechanism Notes -HW: Reaction Kinetics WS & Study Guide 16.4
143/53	Thursday 4/20	-Check rest of Chapter 16 Study Guide – Enter as quiz grade, give back as study guide for test -Go over Reaction Kinetics WS (collect) -HW: Reaction Kinetics WS (Packet)
144/54	Friday 4/21	-Reaction Rates Quiz -Finish Reaction Kinetics Packet
145/55	Monday 4/24 (ACT Aspire Test, Hours 1,2, Adv,3)	-Reaction Rates Exam -Read and notes Chapter 18
146/56	Tuesday 4/25	-Did not meet
147/57	Wednesday 4/26	-Go thru test -Acid/Base Video -Acid/Base/Both – 42 items to classify sheet
148/58	Thursday 4/27 (ACT Aspire Test, Hours 1,2,ADV,3)	-Go thru Theories of Acids and Bases Notes and pH -HW: pH, pOH Acids and Bases Worksheet
149/59	Friday 4/28 (ACT Aspire Test, Hours 4,5,6,7)	-Did not meet
150/60	Monday 5/1	-I was gone... -Students work on Titration Lab Write-up, Chapter 18 Reading Notes, Acids and Bases Crossword Puzzle and pH, pOH Acids and Bases Worksheet
151	Tuesday 5/2	-Neutralization Notes -HW: Neutralization WS
152	Wednesday 5/3	-Chapter 18 Reading Quiz -Titration Lab Set-up
153	Thursday 5/4	-Titration Lab
154	Friday 5/5	-Titration Lab
155	Monday 5/8	-Time to work on Lab -HW: Acid/Base Ch. 18 Review Packet
156	Tuesday 5/9	-Neutralization & Titration Review Sheet

		-HW: Worksheet: Neutralization and Titration -Time to work on review packet
157	Wednesday 5/10	-Work Day -Half sheet pH, pOH review
158	Thursday 5/11	-Neutralization & Titration Quiz -Time to work on review packet
159	Friday 5/12	-Modern Marvels Acids Video
160	Monday 5/15	-Go through review packet -Acid/Base Exam (M/C portion) (skipped math portion)
161	Tuesday 5/16	-Redox Video (World of Chem DVD 2) -Orange Juice Clock -Assigning Oxidation Numbers -HW: Determining Oxidation Numbers WS
162	Wednesday 5/17	-Rules for Balancing Redox -HW: Back of Determining Oxidation Numbers WS and Oxidation Numbers WS
163	Thursday 5/18	-HW: Balancing Redox Reactions WS
164	Friday 5/19	-HW: Balancing Redox Reactions WS and Balancing Redox Practice WS
165	Monday 5/22	-Time to work on balancing redox
166	Tuesday 5/23	-Redox Quiz Review Flipchart -Time to work on balancing redox
167	Wednesday 5/24	-Balancing Redox Reactions Quiz -Chapter 19 Reading Quiz
168	Thursday 5/25	-A Little Appreciation for Color/Tie Dying Questions -Lab Write-up
169	Friday 5/26 (ER)	-You tube tie dye video (http://www.bestdye.com) -15 minutes -Dye Video (World of Chem DVD 2) -Dying Chemistry flip chart -Tie Dye Set-up (Ring out shirts and get in bags)
170	Tuesday 5/30	-Tie Dye
171	Wednesday 5/31	-Tie Dye Questions/Appreciation for color (due with lab write-up) -Lab Write-up Due -Students work on 2 Review Packets and Crossword Puzzle Review
172	Thursday 6/1	-Lab Check-in (Wash glassware, counters, tables, etc) -Review (Flipchart)
173	Friday 6/2	-Review (Flipchart)
174	Monday 6/5	-Review (Flipchart)
175	Tuesday 6/6	-Review (Kahoot)
176	Wednesday 6/7	-Final Exam (4,5,6,7)
177	Thursday 6/8	-Final Exam (1,2,3,A)
	Friday 6/9 (ER)	-Go over exams

[illegible]