

Chemistry Outline – Semester 2 – 2015-2016

90/1	Thursday 1/28	-Continue Hunting of the Elements Video (1hour 53 minutes) (http://www.pbs.org/wgbh/nova/physics/hunting-elements.html)
91/2	Friday 1/29	-Finish Hunting of the Elements Video (http://www.pbs.org/wgbh/nova/physics/hunting-elements.html) -Read and notes 6.1 – 6.3 (BRING BOOKS!)
92/3	Monday 2/1	-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)
93/4	Tuesday 2/2	-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
94/5	Wednesday 2/3	-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...)
95/6	Thursday 2/4	-Chapter 6 Reading Quiz -Review – Periodicity Quiz WS
96/7	Friday 2/5	-Periodicity Quiz -Read and notes 7.1 & 8.1
97/8	Monday 2/8 (Extended Advisory for scheduling)	-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
98/9	Tuesday 2/9	-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
99/10	Wednesday 2/10 (Extended Advisory for scheduling)	-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)
100/11	Thursday 2/11	-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
101/12	Friday 2/12 (ER)	-Finish Molecular Geometry Notes Sheet -Start Periodic Families Table – do I-III together, finish rest for Monday
102/13	Monday 2/15	-Check Table IV-VII (Filled in Flip Chart) -Start Lab 11 – Molecular Geometry
103/14	Tuesday 2/16	-Lab 11 - Molecular Geometry
104/15	Wednesday 2/17	-Review for Quiz -WATER DEMO! (Rabbit and Silk) -Show pictures of Electron Hair -Lab 11 – Molecular Geometry
105/16	Thursday 2/18	-Reading Quiz Chapter 7 & 8 (7.1, 8.1, 8.3, 8.4, 8.5) -Finish Lab 11 (Molecular Geometry) -Hand out Review Packet
106/17	Friday 2/19	-Go through Review Packet -Molecular Geometry Lab Due - Check Shape and Polarity together in class -Read and Notes Chapter 12
107/18	Monday 2/22	-Periodicity and Bonding Exam
108/19	Tuesday 2/23	-Go through exam -Bill Nye States of Matter Video (about 25 minutes) – saved in Chemistry folder -Heating Curve for Water Graph Notes (Start)
109/20	Wednesday 2/24	-Finish Heating Curve for Water Notes -Heat Notes (All except bottom 3 problems) -Set up Heat of Fusion Lab 12
110/21	Thursday 2/25	-Chapter 12 Reading Quiz -Bottom 3 problems on Heat Notes -Continue Lab Set-up
111/22	Friday 2/26	-Lab 12 – Heat of Fusion of Ice (NEED ICE!!!) -Read and Notes Chapter 13
112/23	Monday 2/29 (ER)	-Discuss lab calculations -Bill Nye Pressure Video (about 25 minutes)

113/24	Tuesday 3/1	-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
114/25	Wednesday 3/2	-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
115/26	Thursday 3/3	-Chapter 13 Reading Quiz -Continue Boyle's and Charles' Law -HW: Finish Boyle's and Charles' Law WS
116/27	Friday 3/4	-Amonton's & Avogadro's Law Notes -Pressure (steel sphere) and Balloon Demos -HW: Amonton's & Avogadro's Law WS
117/28	Monday 3/7	-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
118/29	Tuesday 3/8	-Combined Gas Law Notes -HW: Combined Gas Law WS
119/30	Wednesday 3/9	-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
120/31	Thursday 3/10	-Gas Laws Worksheets Work Day -Gas Laws and States of Matter Review Packet (#13 a-e to prepare for Monday's Quiz) -HW: Gas Laws WS and Review Packet
121/32	Friday 3/11	-Gas Laws Quiz -Time to work on Review Packet
122/33	Monday 3/14	-States of Matter and Gas Laws Exam
123/34	Tuesday 3/15	-Lab Write-up through data table due tomorrow
124/35	Wednesday 3/16	-Pre-lab Molar Volume of Gas
125/36	Thursday 3/17	-Molar Volume of Gas Lab -Read and Notes Chapter 14
126/37	Friday 3/18	-Work on Lab Calculations -Read and Notes Chapter 14
127/38	Monday 3/21	-Concentration of Solutions Notes (stop after Molarity) -HW: Solutions/Concentrations WS #1 (5 - 9)
128/39	Tuesday 3/22	-Finish Concentration of Solutions Notes (% Composition)

	(Ice Cream sign up)	-HW: Solutions/Concentrations WS #1 (1 - 4) Solutions/Concentrations WS #2
129/40	Wednesday 3/23	-Dilutions from Concentrated Solutions Notes -HW: Solutions/Concentrations WS #3 (7 & 9 are Dilutions) Dilutions WS on back of notes sheet
130/41	Thursday 3/24	-Chapter 14 Reading Quiz -More Practice: Molarity Problems WS -Concentration/Dilution Quiz Review WS
131/42	Monday 4/4	-Go through Quiz Review -Concentration/Dilution Quiz -Read and notes Chapter 16
132/43	Tuesday 4/5	-Work on worksheets -Read and notes Chapter 16
	Wednesday 4/6	-Video on colligative properties (making ice cream and boiling water 5:16 min) http://www.youtube.com/watch?v=x-omONdCl0 -Colligative Properties Notes -Talk about Root Beer Float Lab -Had about 20 minutes left for reading notes
133/44	Thursday 4/7 (End 3 rd QTR)	-Root Beer Float Lab -Write conclusion about what they observed/learned -Time to read/notes Chapter 16
134/45	Friday 4/8	-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
135/46	Monday 4/11	-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
136/47	Tuesday 4/12	-Check Study Guide 16.2 -Reaction Rates Pre-Lab -Work on Study Guide
137/48	Wednesday 4/13	-Reaction Rates Lab – Part A
138/49	Thursday 4/14	-Reaction Rates Lab – Part B (NEED ICE!!)
139/50	Friday 4/15	-Chapter 16 Reading Quiz -Check 1st 2 pages of Study Guide -Graph results in lab
140/51	Monday 4/18	-Catalyst Video (World of Chem DVD 2) -Reaction Rates Demos
141/52	Tuesday 4/19	-Rate Law/Reaction Mechanism Notes

		-HW: Reaction Kinetics WS & Study Guide 16.4
142/52	Wednesday 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)
143/53	Thursday 4/21	-Reaction Rates Quiz -Finish Reaction Kinetics Packet
144/54	Friday 4/22	-Reaction Rates Exam -Read and notes Chapter 18
145/55	Monday 4/25	-Go thru test -Acid/Base Video (World of Chem DVD 2) **Crash Course in Chemistry Video – Acid & Base Reactions in Solution** (11 min) – In Acid/Base Folder -Theories of Acids and Bases Notes (1 st Page)
146/56	Tuesday 4/26 (ER)	-Crash Course in Chemistry Video – pH – (11 min) – In pH Folder -Finish Theories of Acids and Bases Notes -HW: Acids/Bases/pH/poH WS
147/57	Wednesday 4/27	-Neutralization Notes *Crash Course Buffer/Titration Video (skip middle math) -HW: Neutralization WS
148/58	Thursday 4/28	-Time to work on worksheets
149/59	Friday 4/29	-Chapter 18 Reading Quiz -Titration Lab Set-up
150/60	Monday 5/2	-Titration Lab
151	Tuesday 5/3	-Titration Lab
152	Wednesday 5/4	-Time to work on Lab -HW: Acid/Base Ch. 18 Review Packet
153	Thursday 5/5	-Neutralization & Titration Review Sheet -HW: Worksheet: Neutralization and Titration -Time to work on review packet
154	Friday 5/6	-Work Day
155	Monday 5/9	-Neutralization & Titration Quiz -Time to work on review packet
156	Tuesday 5/10	-Go through review packet -Acid/Base Exam (M/C portion) (skipped math portion)
157	Wednesday 5/11	-A Little Appreciation for Color/Tie Dying Questions -Lab Write-up
158	Thursday 5/12	-You tube tie dye video (http://www.bestdye.com) -15 minutes -Tie Dye Set-up (Ring out shirts and get in bags)
159	Friday 5/13	-Tie Dye
160	Monday 5/16	-Wrap up Tie-Dye -Dye Video (World of Chem DVD 2) -Dying Chemistry flip chart

