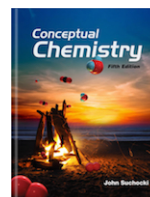




Conceptual Chemistry, Honors

Lesson Planner

One Year, Honors



For an automated calendar using this same information, visit HomeschoolPlanet.com

Day	Module Assignment	Action Items
1	Unit A, Elements of Chemistry, Module 1, Assignment 1	
		Note: This planner is specific to the fifth edition of Conceptual Chemistry, CC5e.
		After purchasing your "Conceptual Chemistry, Honors" Conceptual Academy course, sign into your student profile page.
		Watch the "Tiger Video" to become familiar with the Conceptual Academy interface.
		Carefully review the first "FYI" page.
		Download instructor documents from the Doc Share for your instructor.
		Download information about the lab activities: To the Student, Instructor Notes, Grading Rubric, Materials lists.
		Download the answers to all Practice Page worksheets from the Doc Share: CC5ePPallAns.pdf
		Obtain a composition book into which you can record your observations and answers to questions. We'll refer this as your "field journal"
2	Unit A, Elements of Chemistry, Module 1, Assignment 2	
		Read the "How To Study Effectively" document from the Doc Share.
		Study Sections: 1.1 - 1.2 (Videos + Textbook)
		Take corresponding video quizzes
3	Unit A, Elements of Chemistry, Module 1, Assignment 3	
		Perform Activity: 01WWWW.pdf
		See Doc Share to download the PDF
		Record your experience and observations in your field journal.
4	Unit A, Elements of Chemistry, Module 1, Assignment 4	
		Study Sections: 1.3 - 1.5 (Videos + Textbook)
		Take corresponding video quizzes
5	Unit A, Elements of Chemistry, Module 1, Assignment 5	
		Perform Activity: Rubber Band Balance
		See Doc Share to download the PDF



		Record your experience and observations in your field journal.
6	Unit A, Elements of Chemistry, Module 1, Assignment 6	
		Study Section: 1.6 (Videos + Textbook) This includes the Calculation Corner on page 18.
		Take corresponding video quizzes
		Take Module Reading Quiz
7	Unit A, Elements of Chemistry, Module 1, Assignment 7	
		Download and work on Practice Pages from the Doc Share: CC5e01Pages.pdf
		Note: You'll find the answer key for all Practice Page worksheets in the Doc Share of Module 2. See document: CC5ePPallAnsC.pdf
		Textbook End-of-Chapter Questions (Activities) 19 and 20 (page 20).
		Textbook End-of-Chapter Questions (In Writing): Page 21: Answer 37, 43.
		You can use a second field journal to record your written answers to end-of-chapter questions.
8	Unit A, Elements of Chemistry, Module 1, Assignment 8	
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
9	Unit A, Elements of Chemistry, Module 1, Assignment 9	
		Download and listen to the first episode of the Big Picture Podcast (Introduction)
		Also available on iTunes
		Podcast show notes available at ConceptualScience.com
10	Unit A, Elements of Chemistry, Module 2, Assignment 1	
		Study Sections: 2.1 - 2.5 (Videos + Textbook)
		Take corresponding video quizzes
		Take Module Reading Quiz
11	Unit A, Elements of Chemistry, Module 2, Assignment 1	
		Perform at least one of these two activity: 03Mass Density, 04Absolute Zero
		See Doc Share to download the PDF
		Record your experience and observations in your field journal.
12	Unit A, Elements of Chemistry, Module 2, Assignment 1	
		Download and work on Practice Pages from the Doc Share: CC5e02Pages.pdf
		Answer correctly at least 5 questions from the Homework Practice

		Session (HPS)
13	Unit A, Elements of Chemistry, Module 3, Assignment 1	
		Study Sections: 2.6 - 2.8 (Videos + Textbook)
		Take corresponding video quizzes
		Take Module Reading Quiz
14	Unit A, Elements of Chemistry, Module 3, Assignment 2	
		Textbook End-of-Chapter Questions (Activities) 27 and 29 (pages 50 and 51).
		Textbook End-of-Chapter Questions (In Writing): Page 51: Answer 37, 41.
		Textbook End-of-Chapter Questions (In Writing): Page 52: Answer 53, 55, 61,63.
		Textbook End-of-Chapter Questions (In Writing): Page 53: Answer 69, 71, 77.
15	Unit A, Elements of Chemistry, Module 3, Assignment 3	
		Catch up day! We're hitting a strong pace here from the start. Use this day to catch your breath or to catch up on previous work.
16	Unit A, Elements of Chemistry, Module 3, Assignment 4	
		Play with PhET simulation: States of Matter
		Summary Challenge: Summarize the main points of Chapter 2 to some one. Then download and read the chapter summary document: CC5eSum02.pdf. Time and energy permitting, give a second performance of your summary.
17	Unit A, Elements of Chemistry, Module 3, Assignment 5	
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
		Perform Activity: 05GasLaws.pdf
		Record your experience and observations in your field journal.
18	Unit A, Elements of Chemistry, Module 3, Assignment 6	
		Download and listen to the second episode of the Big Picture Podcast (Frames)
		Also available on iTunes
19	Unit A, Elements of Chemistry, Module 4, Assignment 1	
		Study Sections: 3.1 - 3.4 (Videos + Textbook)
		Take corresponding video quizzes
20	Unit A, Elements of Chemistry, Module 4, Assignment 2	
		Perform Activity: 06Matter.pdf

		See Doc Share to download the PDF
		Record your experience and observations in your field journal.
21	Unit A, Elements of Chemistry, Module 4, Assignment 3	
		Download and work on Practice Pages from the Doc Share: CC5e03Pages.pdf
		Take Module Reading Quiz
22	Unit A, Elements of Chemistry, Module 4, Assignment 4	
		Textbook End-of-Chapter Questions (In Writing): Page 87: Answer 35, 39, 41, 49, 53, 57.
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
23	Unit A, Elements of Chemistry, Module 5, Assignment 1	
		Study Sections: 3.5 - 3.8 (Videos + Textbook)
		Take corresponding video quizzes
24	Unit A, Elements of Chemistry, Module 5, Assignment 2	
		Download and listen to the third episode of the Big Picture Podcast (Team Learning)
		Also available on iTunes
25	Unit A, Elements of Chemistry, Module 5, Assignment 3	
		Textbook End-of-Chapter Questions (In Writing): Page 86: Answer 27, 29, 31.
		Textbook End-of-Chapter Questions (In Writing): Page 88: Answer 63, 65, 69, 71.
26	Unit A, Elements of Chemistry, Module 5, Assignment 4	
		Perform Activity: 07ChemChange.pdf
		Adult supervision and, like all lab activities, wear eye protection.
		See Doc Share of the previous module to download the PDF.
		Record your experience and observations in your field journal.
27	Unit A, Elements of Chemistry, Module 5, Assignment 5	
		Take Module Reading Quiz
		Answer correctly at least 5 questions from the Homework Practice Session (HPS)
28	Unit A, Elements of Chemistry, Module 5, Assignment 6	
		Summary Challenge: Summarize the main points of Chapter 3 to some one. Then download and read the chapter summary document: CC5eSum03.pdf. Time and energy permitting, give a second performance of your summary.

29	Unit A, Elements of Chemistry, Module 5, Assignment 7	
		For chapters 1, 2, and 3 answer question numbers 2 and 3 from each of the "Readiness Assurance Test" (RAT) sections.
		Look to the answer key in the "Authors Responses" document (available in first Doc Share of the course). If you got at least 4 out of 6 correct then you're ready for the unit exam.
		If you got less than 4 correct, then research the questions you got wrong and then take a break. Then answer questions number 1 and 4 from these same RATs.
		Look to the answer key to see how you did. If you got at least 4 out of 6 correct, then you're ready for the unit exam.
		If you got less than 4 correct, then research the questions you got wrong. Congratulations. You're ready for the unit exam.
30	Unit A, Elements of Chemistry, Module 5, Assignment 8	
		Take your first unit exam downloadable from the Doc Share of the FYI page. Ideally you'll be able to take this exam with others, including friends and family, as spelled out within the directions.
31	Unit B, Atomic Particles, Module 1, Assignment 1	
		Study Sections: 4.1 - 4.4 (Videos + Textbook)
		Take corresponding video quizzes
32	Unit B, Atomic Particles, Module 1, Assignment 2	
		Perform Activity: 08Rutherford.pdf
		Record your experience and observations in your field journal.
33	Unit B, Atomic Particles, Module 1, Assignment 3	
		Play with PhET simulations: Rutherford and Build an Atom
		Take Module Reading Quiz
34	Unit B, Atomic Particles, Module 1, Assignment 4	
		Download and work on Practice Pages from the Doc Share: CC5e04Pages1.pdf
35	Unit B, Atomic Particles, Module 1, Assignment 5	
		Textbook End-of-Chapter Questions (In Writing): Page 124: Answer 1, 5, 7, 9, 11.
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
36	Unit B, Atomic Particles, Module 2, Assignment 1	

		Study Sections: 4.5 - 4.7 (Videos + Textbook)
		Take corresponding video quizzes
37	Unit B, Atomic Particles, Module 2, Assignment 2	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
38	Unit B, Atomic Particles, Module 3, Assignment 1	
		Study Sections: 4.8 - 4.9 (Videos + Textbook)
		Take corresponding video quizzes
39	Unit B, Atomic Particles, Module 3, Assignment 2	
		Take Module Reading Quiz
		Summary Challenge: Summarize the main points of Chapter 4 to some one. Then download and read the chapter summary document: CC5eSum04.pdf. Time and energy permitting, give a second performance of your summary.
40	Unit B, Atomic Particles, Module 3, Assignment 3	
		Textbook End-of-Chapter Questions (In Writing): Page 126: Answer 39, 47, 49, 53.
		Textbook End-of-Chapter Questions (In Writing): Page 127: Answer 55, 57, 61, 65, 67, 71.
41	Unit B, Atomic Particles, Module 3, Assignment 4	
		Download and listen to episode 4C of the Big Picture Podcast (The Quantum)
		Also available on iTunes
42	Unit B, Atomic Particles, Module 3, Assignment 5	
		Textbook End-of-Chapter Questions (In Writing): Page 127: Answer 73, 77, 79.
		Textbook End-of-Chapter Questions (In Writing): Page 128: Answer 81, 83, 85, 89, 93.
43	Unit B, Atomic Particles, Module 3, Assignment 6	
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
44	Unit B, Atomic Particles, Module 4, Assignment 1	

		Study Sections: 5.1 - 5.4 (Videos + Textbook)
		Take corresponding video quizzes
45	Unit B, Atomic Particles, Module 4, Assignment 2	
		Study Sections: 5.5 - 5.6 (Videos + Textbook)
		Take corresponding video quizzes
46	Unit B, Atomic Particles, Module 4, Assignment 3	
		Perform Activity: 09HalfLife.pdf
		Record your experience and observations in your field journal.
47	Unit B, Atomic Particles, Module 4, Assignment 4	
		Download and work on Practice Page worksheets from the Doc Share: CC5e05Pages.pdf
48	Unit B, Atomic Particles, Module 4, Assignment 5	
		Textbook End-of-Chapter Questions (In Writing): Page 155: Answer 1, 5, 7, 11, 15.
		Textbook End-of-Chapter Questions (In Writing): Page 156: Answer 37, 41, 43, 47.
		Textbook End-of-Chapter Questions (In Writing): Page 157: Answer 51, 55.
49	Unit B, Atomic Particles, Module 4, Assignment 6	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
50	Unit B, Atomic Particles, Module 5, Assignment 1	
		Study Sections: 5.7 - 5.9 (Videos + Textbook)
		Take corresponding video quizzes
51	Unit B, Atomic Particles, Module 5, Assignment 2	
		Textbook End-of-Chapter Questions (In Writing): Page 157: Answer 57, 59, 63, 65, 67, 71.
52	Unit B, Atomic Particles, Module 5, Assignment 3	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)

53	Unit B, Atomic Particles, Module 5, Assignment 4	
		Study Contextual Chemistry (Doubling Time) essay in textbook: Pages 574 - 575. Record responses to Think and Discuss questions in your field journal. Compare your responses to that of the author.
		Note: Author responses to all Contextual Chemistry essays, Explain This, Connection Questions, and end-of-chapter RATS are available in the Doc Share of the first module FYI page.
54	Unit B, Atomic Particles, Module 5, Assignment 5	
		Download and listen to episode 5A of the Big Picture Podcast (Visit to Rocky Flats)
		Also available on iTunes
55	Unit B, Atomic Particles, Module 5, Assignment 6	
		Download and study "Thorium Reactors" document from the Doc Share.
56	Unit B, Atomic Particles, Module 5, Assignment 7	
		Take your first second unit exam downloadable from the Doc Share of the FYI page. Ideally you'll be able to take this exam with others, including friends and family, as spelled out within the directions.
57	Unit C, Atoms and Molecules are Sticky, Module 1, Assignment 1	
		Download and listen to episode 6B of the Big Picture Podcast (ionic bonding)
		Also available on iTunes
58	Unit C, Atoms and Molecules are Sticky, Module 1, Assignment 2	
		Study Sections: 6.1 - 6.4 (Videos + Textbook)
		Take corresponding video quizzes
59	Unit C, Atoms and Molecules are Sticky, Module 1, Assignment 3	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
60	Unit C, Atoms and Molecules are Sticky, Module 1, Assignment 4	
		Download and work on Practice Page worksheets from the Doc Share: CC5e06Pages.pdf
61	Unit C, Atoms and Molecules are Sticky, Module 2, Assignment 1	
		Study Sections: 6.5 - 6.7 (Videos + Textbook)
		Take corresponding video quizzes
62	Unit C, Atoms and Molecules are Sticky, Module 2, Assignment 2	

		Play with PhET simulation: Molecule Shapes
		Take Module Reading Quiz
63	Unit C, Atoms and Molecules are Sticky, Module 2, Assignment 3	
		Textbook End-of-Chapter Questions (In Writing): Page 188: Answer 3, 5, 9, 11, 19.
		Textbook End-of-Chapter Questions (In Writing): Page 190: Answer 55, 57, 59, 61.
64	Unit C, Atoms and Molecules are Sticky, Module 2, Assignment 4	
		Textbook End-of-Chapter Questions (Activity): Page 188: Perform activities 27, 28. Record your experiences and observations in your field journal.
		Textbook End-of-Chapter Questions (In Writing): Page 189: Answer 37, 39, 43, 45, 49, 53.
65	Unit C, Atoms and Molecules are Sticky, Module 2, Assignment 5	
		Textbook End-of-Chapter Questions (In Writing): Page 190: Answer 63, 65, 69, 71.
		Study Contextual Chemistry essay (Superfund) in textbook: Pages 192 - 193. Record responses to Think and Discuss questions in your field journal. Compare your responses to that of the author.
		Note: Author responses to all Contextual Chemistry essays, Explain This, Connection Questions, and end-of-chapter RATS are available in the Doc Share of the first module FYI page.
66	Unit C, Atoms and Molecules are Sticky, Module 2, Assignment 6	
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
67	Unit C, Atoms and Molecules are Sticky, Module 3, Assignment 1	
		Study Sections: 6.8 and 7.1 (Videos + Textbook)
		Take corresponding video quizzes
68	Unit C, Atoms and Molecules are Sticky, Module 3, Assignment 2	
		Perform Activity: 10Marker.pdf
		Record your experience and observations in your field journal.
69	Unit C, Atoms and Molecules are Sticky, Module 3, Assignment 3	
		Take Module Reading Quiz
		Summary Challenge: Summarize the main points of Chapter 6 to some one. Then download and read the chapter summary document: CC5eSum06.pdf. Time and energy permitting, give a second performance of your summary.
70	Unit C, Atoms and Molecules are Sticky, Module 3, Assignment 4	
		Textbook End-of-Chapter Questions (In Writing): Page 190: Answer 63, 65.

		Textbook End-of-Chapter Questions (In Writing): Page 222: Answer 35, 37, 39.
71	Unit C, Atoms and Molecules are Sticky, Module 3, Assignment 5	
		Download and work on Practice Page worksheets from the Doc Share: CC5e071Pages.pdf
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
72	Unit C, Atoms and Molecules are Sticky, Module 4, Assignment 1	
		Study Sections: 7.2 - 7.7 (Videos + Textbook)
		Take corresponding video quizzes
73	Unit C, Atoms and Molecules are Sticky, Module 4, Assignment 2	
		Perform Activity: 11HowSweet.pdf
		Record your experience and observations in your field journal.
74	Unit C, Atoms and Molecules are Sticky, Module 4, Assignment 3	
		Download and work on Practice Page worksheets from the Doc Share: CC5e072Pages.pdf
75	Unit C, Atoms and Molecules are Sticky, Module 4, Assignment 4	
		Textbook End-of-Chapter Questions (In Writing): Page 221: Answer 5, 7.
		Textbook End-of-Chapter Questions (Activity): Page 221: Activity 25. (Record experience and observations in field journal)
		Textbook End-of-Chapter Questions (In Writing): Page 222: Answer 41, 43, 45.
76	Unit C, Atoms and Molecules are Sticky, Module 4, Assignment 5	
		Perform Activity: 12SweetPurity.pdf
		Record your experience and observations in your field journal.
77	Unit C, Atoms and Molecules are Sticky, Module 4, Assignment 6	
		Take Module Reading Quiz
		Summary Challenge: Summarize the main points of Chapter 7 to some one. Then download and read the chapter summary document: CC5eSum06.pdf. Time and energy permitting, give a second performance of your summary.
78	Unit C, Atoms and Molecules are Sticky, Module 4, Assignment 7	
		Textbook End-of-Chapter Questions (In Writing): Page 223: Answer 47, 51, 55, 57, 59.
		Textbook End-of-Chapter Questions (In Writing): Page 224: Answer 61, 63.
79	Unit C, Atoms and Molecules are Sticky, Module 5, Assignment 1	

		Study Sections: 8.1 - 8.3 (Videos + Textbook)
		Take corresponding video quizzes
80	Unit C, Atoms and Molecules are Sticky, Module 5, Assignment 2	
		Textbook End-of-Chapter Questions (In Writing): Page 254: Answer 35.
		Textbook End-of-Chapter Questions (In Writing): Page 255: Answer 41, 47, 49, 51, 55.
81	Unit C, Atoms and Molecules are Sticky, Module 5, Assignment 3	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
82	Unit C, Atoms and Molecules are Sticky, Module 6, Assignment 1	
		Study Sections: 8.4 - 8.6 (Videos + Textbook)
		Take corresponding video quizzes
83	Unit C, Atoms and Molecules are Sticky, Module 6, Assignment 2	
		Perform Activity: 13Oatmeal.pdf
		Record your experience and observations in your field journal.
84	Unit C, Atoms and Molecules are Sticky, Module 6, Assignment 3	
		Download and work on Practice Page worksheets from the Doc Share: CC5e08Pages.pdf (From previous module)
85	Unit C, Atoms and Molecules are Sticky, Module 6, Assignment 4	
		Textbook End-of-Chapter Questions (In Writing): Page 255: Answer 57, 59, 63, 65.
		Textbook End-of-Chapter Questions (In Writing): Page 256: Answer 67, 69, 71, 73.
86	Unit C, Atoms and Molecules are Sticky, Module 6, Assignment 5	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
87	Unit C, Atoms and Molecules are Sticky, Module 6, Assignment 6	
		For chapters 6, 7, and 8 answer question numbers 5 and 6 from each of the "Readiness Assurance Test" (RAT) sections.
		Look to the answer key in the "Authors Responses" document (available in first Doc Share of the course). If you got at least 4 out of 6 correct then you're ready for the unit exam.
		If you got less than 4 correct, then research the questions you got wrong and then take a break. Then answer questions number 1 and 4 from these same RATs.
		Look to the answer key to see how you did. If you got at least 4 out of

		6 correct, then you're ready for the unit exam.
		If you got less than 4 correct, then research the questions you got wrong. Congratulations. You're ready for the unit exam.
88	Unit C, Atoms and Molecules are Sticky, Module 6, Assignment 7	
		Take your third unit exam downloadable from the Doc Share of the FYI page. Ideally you'll be able to take this exam with others, including friends and family, as spelled out within the directions.
89	Unit D, Chemical Reactions, Module 1, Assignment 1	
		Study Sections: 9.1 - 9.2 (Videos + Textbook)
		Take corresponding video quizzes
90	Unit D, Chemical Reactions, Module 1, Assignment 2	
		Study Section: 9.3 (Videos + Textbook)
		Take corresponding video quizzes
91	Unit D, Chemical Reactions, Module 1, Assignment 3	
		Play with the PhET simulation: Balancing Equations
		Download and work on first half of Practice Page worksheets: CC5e09Pages.pdf.
92	Unit D, Chemical Reactions, Module 1, Assignment 4	
		Perform Activity: 14MoleCookie.pdf
		Record your experience and observations in your field journal.
93	Unit D, Chemical Reactions, Module 1, Assignment 5	
		Perform Activity: 15Candle.pdf
		Record your experience and observations in your field journal.
94	Unit D, Chemical Reactions, Module 1, Assignment 6	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
95	Unit D, Chemical Reactions, Module 2, Assignment 1	
		Study Sections: 9.4 - 9.5 (Videos + Textbook)
		Take corresponding video quizzes
96	Unit D, Chemical Reactions, Module 2, Assignment 2	
		Study Sections: 9.6 - 9.7 (Videos + Textbook)
		Take corresponding video quizzes
97	Unit D, Chemical Reactions, Module 2, Assignment 3	

		Take Module Reading Quiz
		Download and work on second half of Practice Page worksheets: CC5e09Pages.pdf.
98	Unit D, Chemical Reactions, Module 2, Assignment 4	
		Perform Activity: 16Kinetics.pdf
		Record your experience and observations in your field journal.
99	Unit D, Chemical Reactions, Module 2, Assignment 5	
		Textbook End-of-Chapter Questions (In Writing): Page 287: Answer 3, 7, 9, 15, 17, 21, 23.
		Textbook End-of-Chapter Questions (In Writing): Page 288: Answer 45.
		Textbook End-of-Chapter Questions (In Writing): Page 289: Answer 49, 51, 53.
100	Unit D, Chemical Reactions, Module 2, Assignment 6	
		Textbook End-of-Chapter Questions (In Writing): Page 289: Answer 55, 59, 61, 63, 65, 69.
		Textbook End-of-Chapter Questions (In Writing): Page 290: Answer 75, 77, 79, 81.
101	Unit D, Chemical Reactions, Module 2, Assignment 7	
		Perform Activity: 17Yeast.pdf
		Record your experience and observations in your field journal.
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
102	Unit D, Chemical Reactions, Module 3, Assignment 1	
		Study Sections: 10.1 - 10.2 (Videos + Textbook)
		Take corresponding video quizzes
103	Unit D, Chemical Reactions, Module 3, Assignment 2	
		Study Section: 10.3 (Videos + Textbook)
		Take corresponding video quizzes
104	Unit D, Chemical Reactions, Module 3, Assignment 3	
		Play with PhET simulation: Acid-Base Solutions
		Take Module Reading Quiz
105	Unit D, Chemical Reactions, Module 3, Assignment 4	
		Perform Activity: 19AcidsBases.pdf
		Record your experience and observations in your field journal.
106	Unit D, Chemical Reactions, Module 3, Assignment 5	

		Download and work on Practice Page worksheets from the Doc Share: CC5e10Pages.pdf
107	Unit D, Chemical Reactions, Module 3, Assignment 6	
		Textbook End-of-Chapter Questions (In Writing): Page 316: Answer: 29, 33, 35, 37, 39.
		Textbook End-of-Chapter Questions (In Writing): Page 317: Answer: 43, 47, 49, 51, 55.
108	Unit D, Chemical Reactions, Module 3, Assignment 7	
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
109	Unit D, Chemical Reactions, Module 4, Assignment 1	
		Study Sections: 10.4 - 10.5 (Videos + Textbook)
		Take corresponding video quizzes
110	Unit D, Chemical Reactions, Module 4, Assignment 2	
		Textbook End-of-Chapter Questions (In Writing): Page 315: Answer: 11, 13, 15, 23, 25, 27.
		Textbook End-of-Chapter Questions (In Writing): Page 317: Answer: 57, 59, 61.
111	Unit D, Chemical Reactions, Module 4, Assignment 3	
		Study Contextual Chemistry essay (Mercury Emissions) in textbook: Pages 292 - 293. Record responses to Think and Discuss questions in your field journal. Compare your responses to that of the author.
		Note: Author responses to all Contextual Chemistry essays, Explain This, Connection Questions, and end-of-chapter RATS are available in the Doc Share of the first module FYI page.
112	Unit D, Chemical Reactions, Module 4, Assignment 4	
		Study Section: 10.6 (Videos + Textbook)
		Take corresponding video quizzes
113	Unit D, Chemical Reactions, Module 4, Assignment 5	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
114	Unit D, Chemical Reactions, Module 4, Assignment 6	
		Textbook End-of-Chapter Questions (In Writing): Page 315: Answer: 17, 19.
		Textbook End-of-Chapter Questions (In Writing): Page 318: Answer: 63, 65, 67, 69.
115	Unit D, Chemical Reactions, Module 5, Assignment 1	
		Study Sections: 11.1 - 11.3 (Videos + Textbook)

		Take corresponding video quizzes
116	Unit D, Chemical Reactions, Module 5, Assignment 2	
		Perform Activity: 20NotShock.pdf
		Record your experience and observations in your field journal.
117	Unit D, Chemical Reactions, Module 5, Assignment 3	
		Study Sections: 11.4 - 11.5 (Videos + Textbook)
		Take corresponding video quizzes
118	Unit D, Chemical Reactions, Module 5, Assignment 4	
		Download and work on Practice Page worksheets from the Doc Share: CC5e11Pages.pdf
119	Unit D, Chemical Reactions, Module 5, Assignment 5	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
120	Unit D, Chemical Reactions, Module 6, Assignment 1	
		Study Sections: 11.6 - 11.8 (Videos + Textbook)
		Take corresponding video quizzes
121	Unit D, Chemical Reactions, Module 6, Assignment 2	
		Perform Activity: 21SplittingWater.pdf
		Record your experience and observations in your field journal.
122	Unit D, Chemical Reactions, Module 6, Assignment 3	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
123	Unit D, Chemical Reactions, Module 6, Assignment 4	
		Textbook End-of-Chapter Questions (In Writing): Page 346: Answer 1, 3, 9.
		Textbook End-of-Chapter Questions (In Writing): Page 348: Answer 35, 41.
		Textbook End-of-Chapter Questions (In Writing): Page 349: Answer 43, 49.
124	Unit D, Chemical Reactions, Module 6, Assignment 5	
		Textbook End-of-Chapter Questions (In Writing): Page 349: Answer 55, 57, 69.
		Textbook End-of-Chapter Questions (In Writing): Page 350: Answer 65, 67, 71, 73, 75, 77.

125	Unit D, Chemical Reactions, Module 6, Assignment 6	
		Download and listen to episode 11A of the Big Picture Podcast (Solar Fuels)
		Also available on iTunes
126	Unit D, Chemical Reactions, Module 6, Assignment 7	
		Take your fourth unit exam downloadable from the Doc Share of the FYI page. Ideally you'll be able to take this exam with others, including friends and family, as spelled out within the directions.
127	Unit E, The Chemistry of Life, Module 1, Assignment 1	
		Study Sections: 12.1 - 12.3 (Videos + Textbook)
		Take corresponding video quizzes
128	Unit E, The Chemistry of Life, Module 1, Assignment 2	
		Textbook End-of-Chapter Questions (In Writing): Page 287: Answer 13, 15, 17.
		Textbook End-of-Chapter Questions (In Writing): Page 288: Answer 39a, 39b, 43.
129	Unit E, The Chemistry of Life, Module 1, Assignment 3	
		Perform Activity: 22Cinnamon.pdf
		Record your experience and observations in your field journal.
130	Unit E, The Chemistry of Life, Module 1, Assignment 4	
		Textbook End-of-Chapter Questions (In Writing): Page 289: Answer 65, 67, 69, 71.
		Textbook End-of-Chapter Questions (In Writing): Page 389: Answer 29, 37, 39, 41.
		Textbook End-of-Chapter Questions (In Writing): Page 390: Answer 43, 47a, 53.
131	Unit E, The Chemistry of Life, Module 1, Assignment 5	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
132	Unit E, The Chemistry of Life, Module 2, Assignment 1	
		Study Sections: 12.4 - 12.6 (Videos + Textbook)
		Take corresponding video quizzes
133	Unit E, The Chemistry of Life, Module 2, Assignment 2	
		Study Sections: 12.7 - 12.9 (Videos + Textbook)
		Take corresponding video quizzes
134	Unit E, The Chemistry of Life, Module 2, Assignment 3	

		Within your field journal, answer the "Explain This" questions appearing below the section headers of all chapter 12 sections.
		Note: Author responses to all Contextual Chemistry essays, Explain This, Connection Questions, and end-of-chapter RATS are available in the Doc Share of the first module FYI page.
135	Unit E, The Chemistry of Life, Module 2, Assignment 4	
		Perform Activity: 23Slime.pdf
		Record your experience and observations in your field journal.
136	Unit E, The Chemistry of Life, Module 2, Assignment 5	
		Download and work on Practice Page worksheets from the Doc Share: CC5e12Pages.pdf
137	Unit E, The Chemistry of Life, Module 2, Assignment 6	
		Textbook End-of-Chapter Questions (In Writing): Page 388: Answer: 11, 13, 17, 19, 21, 25.
		Textbook End-of-Chapter Questions (In Writing): Page 390: Answer: 57, 59, 61.
138	Unit E, The Chemistry of Life, Module 2, Assignment 7	
		Textbook End-of-Chapter Questions (In Writing): Page 391: Answer: 63, 65, 67, 69, 71, 73.
		Textbook End-of-Chapter Questions (In Writing): Page 392: Answer: 77, 79.
139	Unit E, The Chemistry of Life, Module 2, Assignment 8	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
140	Unit E, The Chemistry of Life, Module 3, Assignment 1	
		Study Sections: 13.1 - 13.3 (Videos + Textbook)
		Take corresponding video quizzes
141	Unit E, The Chemistry of Life, Module 3, Assignment 2	
		Perform Activity: 24PolarizedSugar.pdf
		Record your experience and observations in your field journal.
142	Unit E, The Chemistry of Life, Module 3, Assignment 3	
		Download and work on Practice Page worksheets from the Doc Share: CC5e13Pages.pdf
143	Unit E, The Chemistry of Life, Module 3, Assignment 4	
		Textbook End-of-Chapter Questions (In Writing): Page 432: Answer: 1, 3, 5, 7, 9.
		Textbook End-of-Chapter Questions (Activity): Page 432: Activities 26,

		27. Record in your field journal.
144	Unit E, The Chemistry of Life, Module 3, Assignment 5	
		Textbook End-of-Chapter Questions (In Writing): Page 433: Answer: 33, 35, 37, 39, 41, 43.
145	Unit E, The Chemistry of Life, Module 3, Assignment 6	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
146	Unit E, The Chemistry of Life, Module 4, Assignment 1	
		Study Sections: 13.4 - 13.5 (Videos + Textbook)
		Take corresponding video quizzes
147	Unit E, The Chemistry of Life, Module 4, Assignment 2	
		Perform Activity: 25DNA.pdf
		Record your experience and observations in your field journal.
		Video Share: Watch CRISPR video
148	Unit E, The Chemistry of Life, Module 4, Assignment 3	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
149	Unit E, The Chemistry of Life, Module 4, Assignment 4	
		Textbook End-of-Chapter Questions (In Writing): Page 432: Answer: 11, 13, 15, 17.
		Textbook End-of-Chapter Questions (In Writing): Page 433: Answer: 45, 47, 49, 53.
150	Unit E, The Chemistry of Life, Module 5, Assignment 1	
		Study Sections: 13.6 - 13.8 (Videos + Textbook)
		Take corresponding video quizzes
151	Unit E, The Chemistry of Life, Module 5, Assignment 2	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
152	Unit E, The Chemistry of Life, Module 5, Assignment 3	
		Textbook End-of-Chapter Questions (In Writing): Page 432: Answer: 19, 21, 23, 25.
		Textbook End-of-Chapter Questions (In Writing): Page 434: Answer: 55, 57, 59, 61, 63, 65, 67, 69.

153	Unit E, The Chemistry of Life, Module 5, Assignment 4	
		Summary Challenge: Summarize the main points of Chapter 13 to some one. Then download and read the chapter summary document: CC5eSum13.pdf. Time and energy permitting, give a second performance of your summary.
154	Unit E, The Chemistry of Life, Module 6, Assignment 1	
		Study Sections: 14.1 - 14.3 (Videos + Textbook)
		Take corresponding video quizzes
155	Unit E, The Chemistry of Life, Module 6, Assignment 2	
		Download and work on Practice Page worksheets from the Doc Share: CC5e14Pages.pdf
156	Unit E, The Chemistry of Life, Module 6, Assignment 3	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
157	Unit E, The Chemistry of Life, Module 6, Assignment 4	
		Study Contextual Chemistry essay (Water Fluoridation) in textbook: Pages 226 - 227. Record responses to five Think and Discuss questions in your field journal. Compare your responses to that of the author.
		Note: Author responses to all Contextual Chemistry essays, Explain This, Connection Questions, and end-of-chapter RATS are available in the Doc Share of the first module FYI page.
158	Unit E, The Chemistry of Life, Module 6, Assignment 5	
		Textbook End-of-Chapter Questions (In Writing): Page 472: Answer: 1, 3, 5, 7, 9.
		Textbook End-of-Chapter Questions (Activity): Page 473: Activity: 25. Record your experience and observations in your field journal.
159	Unit E, The Chemistry of Life, Module 6, Assignment 6	
		Textbook End-of-Chapter Questions (In Writing): Page 473: Answer: 27, 31, 33.
		Textbook End-of-Chapter Questions (In Writing): Page 474: Answer: 35, 37, 39, 41, 43, 45.
160	Unit E, The Chemistry of Life, Module 7, Assignment 1	
		Study Sections: 14.4 - 14.5 (Videos + Textbook)
		Take corresponding video quizzes
161	Unit E, The Chemistry of Life, Module 7, Assignment 2	
		Study Sections: 14.6 - 14.7 (Videos + Textbook)
		Take corresponding video quizzes
162	Unit E, The Chemistry of Life, Module 7, Assignment 3	

		Textbook End-of-Chapter Questions (In Writing): Page 473: Answer: 11, 13, 15, 17, 19, 21, 23.
163	Unit E, The Chemistry of Life, Module 7, Assignment 4	
		Textbook End-of-Chapter Questions (In Writing): Page 474: Answer: 46, 49, 51, 53, 61, 65, 67, 69.
164	Unit E, The Chemistry of Life, Module 7, Assignment 5	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
165	Unit E, The Chemistry of Life, Module 7, Assignment 6	
		Take your fifth unit exam downloadable from the Doc Share of the FYI page. Ideally you'll be able to take this exam with others, including friends and family, as spelled out within the directions.
166	Unit F, Environmental Chemistry, Module 1, Assignment 1	
		Study Sections: 15.1 - 15.4 (Videos + Textbook)
		Take corresponding video quizzes
167	Unit F, Environmental Chemistry, Module 1, Assignment 2	
		Take Module Reading Quiz
		Answer correctly at least 5 questions from the Homework Practice Session (HPS)
		Download and work on Practice Page worksheets from the Doc Share: CC5e15Pages.pdf
168	Unit F, Environmental Chemistry, Module 2, Assignment 1	
		Study Sections: 15.5 - 15.7 (Videos + Textbook)
		Take corresponding video quizzes
169	Unit F, Environmental Chemistry, Module 2, Assignment 2	
		Perform Activity: 26SoilFilter.pdf
		Record your experience and observations in your field journal.
170	Unit F, Environmental Chemistry, Module 2, Assignment 3	
		Textbook End-of-Chapter Questions (In Writing): Page 502: Answer: 5, 7.
		Textbook End-of-Chapter Questions (In Writing): Page 503: Answer: 9, 13, 15, 19, 21.
171	Unit F, Environmental Chemistry, Module 2, Assignment 4	
		Textbook End-of-Chapter Questions (In Writing): Page 504: Answer: 33, 35, 37, 39, 43, 49, 53.
172	Unit F, Environmental Chemistry, Module 2, Assignment 5	

		Study Contextual Chemistry essay (GMOs) in textbook: Pages 506 - 507. Record responses to Think and Discuss questions in your field journal. Compare your responses to that of the author.
		Note: Author responses to all Contextual Chemistry essays, Explain This, Connection Questions, and end-of-chapter RATS are available in the Doc Share of the first module FYI page.
173	Unit F, Environmental Chemistry, Module 3, Assignment 1	
		Study Sections: 16.1 - 16.4 (Videos + Textbook)
		Take corresponding video quizzes
174	Unit F, Environmental Chemistry, Module 3, Assignment 2	
		Textbook End-of-Chapter Questions (In Writing): Page 223: Answer 47, 51, 53, 55, 57, 59.
		Textbook End-of-Chapter Questions (In Writing): Page 224: Answer 61, 63, 65, 69.
175	Unit F, Environmental Chemistry, Module 3, Assignment 3	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
		Download and work on Practice Page worksheets from the Doc Share: CC5e16Pages.pdf
176	Unit F, Environmental Chemistry, Module 4, Assignment 1	
		Study Sections: 16.5 - 16.6 (Videos + Textbook)
		Take corresponding video quizzes
177	Unit F, Environmental Chemistry, Module 4, Assignment 2	
		Study Contextual Chemistry essay (Climate Change) in textbook: Pages 23 - 25. Record responses to Think and Discuss questions in your field journal. Compare your responses to that of the author.
		Note: Author responses to all Contextual Chemistry essays, Explain This, Connection Questions, and end-of-chapter RATS are available in the Doc Share of the first module FYI page.
178	Unit F, Environmental Chemistry, Module 4, Assignment 3	
		Study Contextual Chemistry (Pseudoscience) essay in textbook: Pages 538 - 539. Record responses to five of the Think and Discuss questions in your field journal. Compare your responses to that of the author.
		Note: Author responses to all Contextual Chemistry essays, Explain This, Connection Questions, and end-of-chapter RATS are available in the Doc Share of the first module FYI page.
179	Unit F, Environmental Chemistry, Module 4, Assignment 4	
		Perform Activity: Climate Hot Boxes
		Like all lab activities, record your experience and observations in your field journal.

180	Unit F, Environmental Chemistry, Module 4, Assignment 5	
		Textbook End-of-Chapter Questions (In Writing): Page 534: Answer 19, 21, 25, 29.
		Textbook End-of-Chapter Questions (In Writing): Page 536: Answer 63, 65, 67, 69, 73, 75.
181	Unit F, Environmental Chemistry, Module 4, Assignment 6	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
182	Unit F, Environmental Chemistry, Module 4, Assignment 7	
		Study Section: 16.7 (Videos + Textbook)
		Take corresponding video quizzes
183	Unit F, Environmental Chemistry, Module 4, Assignment 8	
		Textbook End-of-Chapter Questions (In Writing): Page 534: Answer 31, 33.
		Textbook End-of-Chapter Questions (Activity): Page 535: Answer 37.
		Textbook End-of-Chapter Questions (In Writing): Page 536: Answer 77.
		Textbook End-of-Chapter Questions (In Writing): Page 537: Answer 85.
184	Unit F, Environmental Chemistry, Module 4, Assignment 9	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
185	Unit F, Environmental Chemistry, Module 5, Assignment 1	
		Study Sections: 17.1 - 17.4 (Videos + Textbook)
		Take corresponding video quizzes
186	Unit F, Environmental Chemistry, Module 5, Assignment 2	
		Download and work on Practice Page worksheets from the Doc Share: CC5e17Pages.pdf
		Textbook End-of-Chapter Questions (In Writing): Page 570: Answer 1, 3, 7, 23.
		Textbook End-of-Chapter Questions (In Writing): Page 571: Answer 23, 41, 43, 47.
		Textbook End-of-Chapter Questions (In Writing): Page 572: Answer 49, 51, 55.
187	Unit F, Environmental Chemistry, Module 5, Assignment 3	
		Take Module Reading Quiz
		Answer correctly at least 5 questions from the Homework Practice

		Session (HPS)
188	Unit F, Environmental Chemistry, Module 6, Assignment 1	
		Study Sections: 17.5 - 17.8 (Videos + Textbook)
		Take corresponding video quizzes
189	Unit F, Environmental Chemistry, Module 6, Assignment 2	
		Textbook End-of-Chapter Questions (In Writing): Page 572: Answer 57, 61, 63, 67, 69.
190	Unit F, Environmental Chemistry, Module 6, Assignment 3	
		Take Module Reading Quiz
		Answer correctly at least 5 questions from the Homework Practice Session (HPS)
191	Unit F, Environmental Chemistry, Module 6, Assignment 4	
		Take your sixth and final unit exam downloadable from the Doc Share of the FYI page. Ideally you'll be able to take this exam with others, including friends and family, as spelled out within the directions.
192	Unit F, Environmental Chemistry, Module 6, Assignment 5	
		Congratulations for your great learning efforts!
		Having made it through this material you are well suited to digging deeper into the wonders to this natural universe in which we are blessed to live.
		But for now, download the certificate of completion you'll find in the Doc Share. Print it out and have it signed by your mentor.
		Post this certificate as a mark of your achievement.
		Then toss this certificate into the recycle bin in recognition that your real achievement lies inside of you.