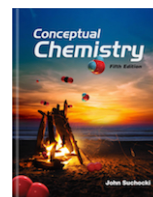




# Conceptual Chemistry, Contextual

## Lesson Planner

### One Year – Environmental Chemistry



For an automated calendar using this same information, visit [HomeschoolPlanet.com](http://HomeschoolPlanet.com)

Day	Module Assignments	Action Items
1	Unit A, Chemistry in the Environment, Module 1, Assignment 1	
		Note: This planner is specific to the fifth edition of Conceptual Chemistry, CC5e.
		After purchasing your "Contextual Chemistry" 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, Chemistry in the Environment, 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, Chemistry in the Environment, 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, Chemistry in the Environment, Module 1, Assignment 4	
		Study Sections: 1.3 - 1.5 (Videos + Textbook)
		Take corresponding video quizzes
5	Unit A, Chemistry in the Environment, 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	<b>Unit A, Chemistry in the Environment, Module 1, Assignment 6</b>	
		Study Section: 1.6 (Videos + Textbook) This includes the Calculation Corner on page 18.
		Take corresponding video quizzes
		Take Module Reading Quiz
7	<b>Unit A, Chemistry in the Environment, Module 1, Assignment 7</b>	
		Download and work on Practice Pages from the Doc Share: CC5e01Pages.pdf
		Note: You should have already downloaded the answer key for all Practice Page worksheets. See document: CC5ePPallAns.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	<b>Unit A, Chemistry in the Environment, Module 1, Assignment 8</b>	
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
9	<b>Unit A, Chemistry in the Environment, Module 1, Assignment 9</b>	
		Download and listen to the first episode of the Big Picture Podcast (Introduction)
		Also available on iTunes
		Podcast show notes available at <a href="http://ConceptualScience.com">ConceptualScience.com</a>
10	<b>Unit A, Chemistry in the Environment, Module 2, Assignment 1</b>	
		Study Sections: 2.1 - 2.4 (Videos + Textbook)
		Take corresponding video quizzes
11	<b>Unit A, Chemistry in the Environment, Module 2, Assignment 2</b>	
		Study Sections: 2.5 - 2.8 (Videos + Textbook)
		Take corresponding video quizzes
		Take Module Reading Quiz
12	<b>Unit A, Chemistry in the Environment, Module 2, Assignment 3</b>	
		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.
13	<a href="#">Unit A, Chemistry in the Environment, Module 2, Assignment 4</a>	
		Download and work on Practice Pages from the Doc Share: CC5e02Pages.pdf
		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.
14	<a href="#">Unit A, Chemistry in the Environment, Module 2, Assignment 5</a>	
		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	<a href="#">Unit A, Chemistry in the Environment, Module 2, Assignment 6</a>	
		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.
16	<a href="#">Unit A, Chemistry in the Environment, Module 2, Assignment 7</a>	
		Study Contextual Chemistry essay (Green Chemistry) in textbook: Pages 56 - 57. 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.
17	<a href="#">Unit A, Chemistry in the Environment, Module 2, Assignment 8</a>	
		Download and listen to the second episode of the Big Picture Podcast (Frames)
		Also available on iTunes
18	<a href="#">Unit A, Chemistry in the Environment, Module 3, Assignment 1</a>	
		Study Sections: 3.1 - 3.3 (Videos + Textbook)
		Take corresponding video quizzes
19	<a href="#">Unit A, Chemistry in the Environment, Module 3, Assignment 2</a>	

		Study Sections: 3.4 - 3.5, 4.4 (Videos + Textbook)
		Take corresponding video quizzes
20	<b>Unit A, Chemistry in the Environment, Module 3, Assignment 3</b>	
		Perform Activity: 06Matter.pdf
		See Doc Share to download the PDF
		Record your experience and observations in your field journal.
21	<b>Unit A, Chemistry in the Environment, Module 3, Assignment 4</b>	
		Download and work on Practice Pages from the Doc Share: CC5e03Pages.pdf
		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.
22	<b>Unit A, Chemistry in the Environment, Module 3, Assignment 5</b>	
		Textbook End-of-Chapter Questions (In Writing): Page 87: Answer 35, 39, 41, 49, 53, 61.
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
23	<b>Unit A, Chemistry in the Environment, Module 3, Assignment 6</b>	
		Study Contextual Chemistry essay (Life Span) in textbook: Pages 90 - 91. 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.
24	<b>Unit A, Chemistry in the Environment, Module 3, Assignment 7</b>	
		Download and listen to the third episode of the Big Picture Podcast (Team Learning)
		Also available on iTunes
25	<b>Unit A, Chemistry in the Environment, Module 4, Assignment 1</b>	
		Study Sections: 3.6 - 3.7 (Videos + Textbook)
		Take corresponding video quizzes
26	<b>Unit A, Chemistry in the Environment, Module 4, Assignment 2</b>	
		Study Section: 9.1 (Videos + Textbook)
		Take corresponding video quizzes
		Play with PhET simulation: Balancing Equations
27	<b>Unit A, Chemistry in the Environment, Module 4, Assignment 3</b>	

		Download and work on Practice Page from the Doc Share: CC5e0901.pdf
		Take Module Reading Quiz
28	<b>Unit A, Chemistry in the Environment, Module 4, Assignment 4</b>	
		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.
29	<b>Unit A, Chemistry in the Environment, Module 4, Assignment 5</b>	
		Perform Activity: 07ChemChange.pdf
		Adult supervision and, like all lab activities, wear eye protection.
		See Doc Share to download the PDF
		Record your experience and observations in your field journal.
30	<b>Unit A, Chemistry in the Environment, Module 4, Assignment 6</b>	
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
31	<b>Unit A, Chemistry in the Environment, Module 4, Assignment 7</b>	
		Textbook End-of-Chapter Questions (In Writing): Page 288: Answer 45a, 45b.
		Textbook End-of-Chapter Questions (In Writing): Page 289: Answer 47, 49, 51, 53.
32	<b>Unit A, Chemistry in the Environment, Module 5, Assignment 1</b>	
		Study Sections: 16.5 - 16.6 (Videos + Textbook)
		Take corresponding video quizzes
33	<b>Unit A, Chemistry in the Environment, Module 5, Assignment 2</b>	
		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.
34	<b>Unit A, Chemistry in the Environment, Module 5, Assignment 3</b>	
		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.

35	Unit A, Chemistry in the Environment, Module 5, Assignment 4	
		Perform Activity: Climate Hot Boxes
		Like all lab activities, record your experience and observations in your field journal.
36	Unit A, Chemistry in the Environment, Module 5, 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.
37	Unit A, Chemistry in the Environment, Module 5, Assignment 6	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
38	Unit A, Chemistry in the Environment, Module 6, Assignment 1	
		Study Section: 16.7 (Videos + Textbook)
		Take corresponding video quizzes
39	Unit A, Chemistry in the Environment, Module 6, Assignment 2	
		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.
40	Unit A, Chemistry in the Environment, Module 6, Assignment 3	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
41	Unit A, Chemistry in the Environment, Module 6, Assignment 4	
		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 (very last page). 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.
42	<a href="#">Unit A, Chemistry in the Environment, Module 6, Assignment 5</a>	
		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.
43	<a href="#">Unit B, Energy Resources, Module 1, Assignment 1</a>	
		Study Sections: 6.1 - 6.3 (Videos + Textbook)
		Take corresponding video quizzes
44	<a href="#">Unit B, Energy Resources, Module 1, Assignment 2</a>	
		Study Sections: 6.5 - 6.6 (Videos + Textbook)
		Take corresponding video quizzes
45	<a href="#">Unit B, Energy Resources, Module 1, Assignment 3</a>	
		Download and work on Practice Page from the Doc Share: CC5e06PagesA.pdf
		Take Module Reading Quiz
46	<a href="#">Unit B, Energy Resources, Module 1, Assignment 4</a>	
		Textbook End-of-Chapter Questions (In Writing): Page 188: Answer 3, 5, 9, 11, 19.
		Textbook End-of-Chapter Questions (Activity): Page 188: Perform activities 27, 28. Record your experiences and observations in your field journal.
47	<a href="#">Unit B, Energy Resources, Module 1, Assignment 5</a>	
		Textbook End-of-Chapter Questions (In Writing): Page 189: Answer 37, 39, 43, 45, 49, 53.
		Textbook End-of-Chapter Questions (In Writing): Page 190: Answer 55, 57, 59, 61.
48	<a href="#">Unit B, Energy Resources, Module 1, Assignment 6</a>	
		Play with PhET simulation: Molecule Shapes.
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
49	<a href="#">Unit B, Energy Resources, Module 1, Assignment 7</a>	
		Download and listen to episode 6B of the Big Picture Podcast (ionic bonding)
		Also available on iTunes
50	<a href="#">Unit B, Energy Resources, Module 1, Assignment 8</a>	
		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.
51	<a href="#">Unit B, Energy Resources, Module 2, Assignment 1</a>	
		Study Sections: 9.4 - 9.5 (Videos + Textbook)
		Take corresponding video quizzes
52	<a href="#">Unit B, Energy Resources, Module 2, Assignment 2</a>	
		Perform Activity: 15Candle.pdf
		Record your experience and observations in your field journal.
		By now your field journal entries should be looking more professional. If not, look to the grading rubrics for advice.
53	<a href="#">Unit B, Energy Resources, Module 2, Assignment 3</a>	
		Perform Activity: 18Entropy.pdf
		Record your experience and observations in your field journal.
54	<a href="#">Unit B, Energy Resources, Module 2, Assignment 4</a>	
		Download and work on Practice Page worksheet from the Doc Share: CC5e09PagesExo.pdf
55	<a href="#">Unit B, Energy Resources, Module 2, Assignment 5</a>	
		Study Sections: 12.1 - 12.3 (Videos + Textbook)
		Take corresponding video quizzes
56	<a href="#">Unit B, Energy Resources, Module 2, Assignment 6</a>	
		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.
57	<a href="#">Unit B, Energy Resources, Module 2, Assignment 7</a>	
		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.
58	<a href="#">Unit B, Energy Resources, Module 2, Assignment 8</a>	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)



59	<b>Unit B, Energy Resources, Module 3, Assignment 1</b>	
		Study Sections: 5.1 - 5.4 (Videos + Textbook)
		Take corresponding video quizzes
60	<b>Unit B, Energy Resources, Module 3, Assignment 2</b>	
		Study Sections: 5.5 - 5.6 (Videos + Textbook)
		Take corresponding video quizzes
61	<b>Unit B, Energy Resources, Module 3, Assignment 3</b>	
		Perform Activity: 09HalfLife.pdf
		Record your experience and observations in your field journal.
62	<b>Unit B, Energy Resources, Module 3, Assignment 4</b>	
		Download and work on Practice Page worksheets from the Doc Share: CC5e05Pages.pdf
63	<b>Unit B, Energy Resources, Module 3, Assignment 5</b>	
		Study Sections: 17.1, 17.2, 17.6 (Videos + Textbook)
		Take corresponding video quizzes
64	<b>Unit B, Energy Resources, Module 3, Assignment 6</b>	
		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.
65	<b>Unit B, Energy Resources, Module 3, Assignment 7</b>	
		Textbook End-of-Chapter Questions (In Writing): Page 157: Answer 51, 53, 55.
		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, 63.
66	<b>Unit B, Energy Resources, Module 3, Assignment 8</b>	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
67	<b>Unit B, Energy Resources, Module 3, Assignment 9</b>	
		Download and listen to episode 5B of the Big Picture Podcast (Radioactivity)
		Also available on iTunes
68	<b>Unit B, Energy Resources, Module 4, Assignment 1</b>	

		Study Sections: 5.7 (Videos + Textbook)
		Take corresponding video quizzes
69	<a href="#">Unit B, Energy Resources, Module 4, Assignment 2</a>	
		Study Sections: 5.8 (Videos + Textbook)
		Take corresponding video quizzes
70	<a href="#">Unit B, Energy Resources, Module 4, Assignment 3</a>	
		Study Sections: 5.9, 17.3 (Videos + Textbook)
		Take corresponding video quizzes
71	<a href="#">Unit B, Energy Resources, Module 4, Assignment 4</a>	
		Textbook End-of-Chapter Questions (In Writing): Page 157: Answer 57, 59, 63, 65, 67, 71.
		Textbook End-of-Chapter Questions (In Writing): Page 572: Answer 49, 51, 53.
72	<a href="#">Unit B, Energy Resources, Module 4, Assignment 5</a>	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
73	<a href="#">Unit B, Energy Resources, Module 4, Assignment 6</a>	
		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.
74	<a href="#">Unit B, Energy Resources, Module 4, Assignment 7</a>	
		Download and listen to episode 5A of the Big Picture Podcast (Visit to Rocky Flats)
		Also available on iTunes
75	<a href="#">Unit B, Energy Resources, Module 4, Assignment 8</a>	
		Chapter 5 Summary Challenge: Summarize the main points of Chapter 5 to some one. Then download and read the chapter summary document: CC5eSum05.pdf. Time and energy permitting, give a second performance of your summary.
76	<a href="#">Unit B, Energy Resources, Module 5, Assignment 1</a>	
		Study Sections: 11.1 - 11.3 (Videos + Textbook)
		Take corresponding video quizzes
77	<a href="#">Unit B, Energy Resources, Module 5, Assignment 2</a>	

		Perform Activity: 20NotShock.pdf
		Record your experience and observations in your field journal.
78	<b>Unit B, Energy Resources, Module 5, Assignment 3</b>	
		Study Sections: 11.4 - 11.5, 11.8 (Videos + Textbook)
		Take corresponding video quizzes
79	<b>Unit B, Energy Resources, Module 5, Assignment 4</b>	
		Perform Activity: 21SplittingWater.pdf
		Record your experience and observations in your field journal.
80	<b>Unit B, Energy Resources, Module 5, Assignment 5</b>	
		Download and work on Practice Page worksheets from the Doc Share: CC5e11Pages.pdf
81	<b>Unit B, Energy Resources, Module 5, Assignment 6</b>	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
82	<b>Unit B, Energy Resources, Module 5, Assignment 7</b>	
		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, 55, 57, 69.
83	<b>Unit B, Energy Resources, Module 5, Assignment 8</b>	
		Download and listen to episode 11A of the Big Picture Podcast (Solar Fuels)
		Also available on iTunes
84	<b>Unit B, Energy Resources, Module 6, Assignment 1</b>	
		Study Sections: 17.4, 17.5, 17.7, 17.8 (Videos + Textbook)
		Take corresponding video quizzes
85	<b>Unit B, Energy Resources, Module 6, Assignment 2</b>	
		Download and study the multiple chapter summary document: Summaries69121117.pdf
		Textbook End-of-Chapter Questions (In Writing): Page 572: Answer 57, 59, 61, 65, 67.
86	<b>Unit B, Energy Resources, Module 6, Assignment 3</b>	
		Take Module Reading Quiz

		Answer correctly at least 5 questions from the Homework Practice Session (HPS)
87	<a href="#">Unit B, Energy Resources, Module 6, Assignment 4</a>	
		Catch up day! Use this day to catch up on previous assignments. Or just take a break.
88	<a href="#">Unit B, Energy Resources, Module 6, Assignment 5</a>	
		Take your 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.
89	<a href="#">Unit C, The Chemistry of Water, Module 1, Assignment 1</a>	
		Study Sections: 6.7 - 6.8 (Videos + Textbook)
		Take corresponding video quizzes
90	<a href="#">Unit C, The Chemistry of Water, Module 1, Assignment 2</a>	
		Perform Activity: 10Marker.pdf
		Record your experience and observations in your field journal.
91	<a href="#">Unit C, The Chemistry of Water, Module 1, Assignment 3</a>	
		Download and work on Practice Page worksheets from the Doc Share: CC5e06PagesB.pdf
92	<a href="#">Unit C, The Chemistry of Water, Module 1, Assignment 4</a>	
		Within your field journal, answer the "Explain This" questions appearing below the section headers of all chapter 6 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.
93	<a href="#">Unit C, The Chemistry of Water, Module 1, Assignment 5</a>	
		Textbook End-of-Chapter Questions (In Writing): Page 190: Answer 59, 61, 63, 65, 69, 71.
94	<a href="#">Unit C, The Chemistry of Water, Module 1, Assignment 6</a>	
		Take Module Reading Quiz
		Answer correctly at least 5 questions from the Homework Practice Session (HPS)
95	<a href="#">Unit C, The Chemistry of Water, Module 1, Assignment 7</a>	
		Download and listen to episode 6C of the Big Picture Podcast (covalent bonding)
		Also available on iTunes
96	<a href="#">Unit C, The Chemistry of Water, Module 2, Assignment 1</a>	
		Study Sections: 7.1 - 7.2 (Videos + Textbook)

		Take corresponding video quizzes
97	<a href="#">Unit C, The Chemistry of Water, Module 2, Assignment 2</a>	
		Perform Activity: 11HowSweet.pdf
		Record your experience and observations in your field journal.
98	<a href="#">Unit C, The Chemistry of Water, Module 2, Assignment 3</a>	
		Download and work on Practice Page worksheets from the Doc Share: CC5e07Pages.pdf
99	<a href="#">Unit C, The Chemistry of Water, Module 2, Assignment 4</a>	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
100	<a href="#">Unit C, The Chemistry of Water, Module 2, Assignment 5</a>	
		Textbook End-of-Chapter Questions (In Writing): Page 220: Answer 1, 3.
		Textbook End-of-Chapter Questions (In Writing): Page 221: Answer 5, 7.
		Textbook End-of-Chapter Questions (Activity): Page 221: Activity 25.
		Textbook End-of-Chapter Questions (In Writing): Page 222: Answer 35, 37, 39, 41.
101	<a href="#">Unit C, The Chemistry of Water, Module 2, Assignment 6</a>	
		Download and listen to episode 7B of the Big Picture Podcast (Solutions)
		Also available on iTunes
102	<a href="#">Unit C, The Chemistry of Water, Module 3, Assignment 1</a>	
		Study Sections: 7.3 - 7.4 (Videos + Textbook)
		Take corresponding video quizzes
103	<a href="#">Unit C, The Chemistry of Water, Module 3, Assignment 2</a>	
		Study Sections: 7.5 - 7.7 (Videos + Textbook)
		Take corresponding video quizzes
104	<a href="#">Unit C, The Chemistry of Water, Module 3, Assignment 3</a>	
		Perform Activity: 12SweetPurity.pdf
		Record your experience and observations in your field journal.
105	<a href="#">Unit C, The Chemistry of Water, Module 3, Assignment 4</a>	
		Study Sections: 16.1 - 16.4 (Videos + Textbook)
		Take corresponding video quizzes

106	<a href="#">Unit C, The Chemistry of Water, Module 3, Assignment 5</a>	
		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.
107	<a href="#">Unit C, The Chemistry of Water, Module 3, Assignment 6</a>	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
108	<a href="#">Unit C, The Chemistry of Water, Module 4, Assignment 1</a>	
		Study Sections: 8.1 - 8.2 (Videos + Textbook)
		Take corresponding video quizzes
109	<a href="#">Unit C, The Chemistry of Water, Module 4, Assignment 2</a>	
		Study Sections: 8.3 - 8.4 (Videos + Textbook)
		Take corresponding video quizzes
110	<a href="#">Unit C, The Chemistry of Water, Module 4, Assignment 3</a>	
		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, 59, 61.
111	<a href="#">Unit C, The Chemistry of Water, Module 4, Assignment 4</a>	
		Study Sections: 8.5 - 8.6 (Videos + Textbook)
		Take corresponding video quizzes
112	<a href="#">Unit C, The Chemistry of Water, Module 4, Assignment 5</a>	
		Perform Activity: 13Oatmeal.pdf
		Record your experience and observations in your field journal.
113	<a href="#">Unit C, The Chemistry of Water, Module 4, Assignment 6</a>	
		Download and work on Practice Page worksheets from the Doc Share: CC5e08Pages.pdf
114	<a href="#">Unit C, The Chemistry of Water, Module 4, Assignment 7</a>	
		Textbook End-of-Chapter Questions (Activity): Page 254: Activity 25.
		Textbook End-of-Chapter Questions (In Writing): Page 254: Answer: 27, 31, 39.
		Textbook End-of-Chapter Questions (In Writing): Page 255: Answer: 63, 65.
		Textbook End-of-Chapter Questions (In Writing): Page 256: Answer:

		67, 69.
115	<a href="#">Unit C, The Chemistry of Water, Module 4, Assignment 8</a>	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
116	<a href="#">Unit C, The Chemistry of Water, Module 4, Assignment 9</a>	
		Download and listen to episode 8B of the Big Picture Podcast (Water, Part 1)
		Also available on iTunes
117	<a href="#">Unit C, The Chemistry of Water, Module 4, Assignment 10</a>	
		Download and listen to episode 8C of the Big Picture Podcast (Water, Part 2)
		Also available on iTunes
118	<a href="#">Unit C, The Chemistry of Water, Module 5, Assignment 1</a>	
		Study Sections: 10.1 - 10.2 (Videos + Textbook)
		Take corresponding video quizzes
119	<a href="#">Unit C, The Chemistry of Water, Module 5, Assignment 2</a>	
		Study Section: 10.3 (Videos + Textbook)
		Take corresponding video quizzes
120	<a href="#">Unit C, The Chemistry of Water, Module 5, Assignment 3</a>	
		Play with PhET simulation: Acid-Base Solutions
		Take Module Reading Quiz
121	<a href="#">Unit C, The Chemistry of Water, Module 5, Assignment 4</a>	
		Perform Activity: 19AcidsBases.pdf
		Record your experience and observations in your field journal.
122	<a href="#">Unit C, The Chemistry of Water, Module 5, Assignment 5</a>	
		Download and work on Practice Page worksheets from the Doc Share: CC5e10Pages.pdf
123	<a href="#">Unit C, The Chemistry of Water, Module 5, Assignment 6</a>	
		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.
124	<a href="#">Unit C, The Chemistry of Water, Module 5, Assignment 7</a>	
		Answer correctly at least 10 questions from the Homework Practice

		Session (HPS)
125	<a href="#">Unit C, The Chemistry of Water, Module 6, Assignment 1</a>	
		Study Sections: 10.4 - 10.5 (Videos + Textbook)
		Take corresponding video quizzes
126	<a href="#">Unit C, The Chemistry of Water, Module 6, Assignment 2</a>	
		Textbook End-of-Chapter Questions (In Writing): Page 315: Answer: 11, 13, 15, 23, 25, 27.
		Textbook End-of-Chapter Questions (In Writing): Page 318: Answer: 57, 59, 61.
127	<a href="#">Unit C, The Chemistry of Water, Module 6, Assignment 3</a>	
		Take Module Reading Quiz
		Answer correctly at least 5 questions from the Homework Practice Session (HPS)
128	<a href="#">Unit C, The Chemistry of Water, Module 6, Assignment 4</a>	
		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.
129	<a href="#">Unit C, The Chemistry of Water, Module 7, Assignment 1</a>	
		Study Section: 10.6 (Videos + Textbook)
		Take corresponding video quizzes
130	<a href="#">Unit C, The Chemistry of Water, Module 7, Assignment 2</a>	
		Take Module Reading Quiz
		Answer correctly at least 5 questions from the Homework Practice Session (HPS)
131	<a href="#">Unit C, The Chemistry of Water, Module 7, Assignment 3</a>	
		Textbook End-of-Chapter Questions (In Writing): Page 315: Answer: 17, 19.
		Textbook End-of-Chapter Questions (In Writing): Page 317: Answer: 63, 65, 67, 69.
132	<a href="#">Unit C, The Chemistry of Water, Module 7, Assignment 4</a>	
		For chapters 7, 8, and 10 answer question numbers 4 and 5 from each of the "Readiness Assurance Test" (RAT) sections.
		Look to the answer key in the "Authors Responses" document (very last page). 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 2 and 3 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.
133	<a href="#">Unit C, The Chemistry of Water, Module 7, Assignment 5</a>	
		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.
134	<a href="#">Unit D, The Chemistry of Life Module 1, Assignment 1</a>	
		Study Sections: 12.4 - 12.6 (Videos + Textbook)
		Take corresponding video quizzes
135	<a href="#">Unit D, The Chemistry of Life Module 1, Assignment 2</a>	
		Perform Activity: 22Cinnamon.pdf
		Record your experience and observations in your field journal.
136	<a href="#">Unit D, The Chemistry of Life Module 1, Assignment 3</a>	
		Study Sections: 12.7 - 12.8 (Videos + Textbook)
		Take corresponding video quizzes
137	<a href="#">Unit D, The Chemistry of Life Module 1, Assignment 4</a>	
		Perform Activity: 23Slime.pdf
		Record your experience and observations in your field journal.
138	<a href="#">Unit D, The Chemistry of Life Module 1, Assignment 5</a>	
		Download and work on Practice Page worksheets from the Doc Share: CC5e12Pages.pdf
139	<a href="#">Unit D, The Chemistry of Life Module 1, Assignment 6</a>	
		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.
140	<a href="#">Unit D, The Chemistry of Life Module 1, Assignment 7</a>	
		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.
141	<a href="#">Unit D, The Chemistry of Life Module 1, Assignment 8</a>	

		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
142	Unit D, The Chemistry of Life Module 2, Assignment 1	
		Study Sections: 13.1 - 13.3 (Videos + Textbook)
		Take corresponding video quizzes
143	Unit D, The Chemistry of Life Module 2, Assignment 2	
		Perform Activity: 24PolarizedSugar.pdf
		Record your experience and observations in your field journal.
144	Unit D, The Chemistry of Life Module 2, Assignment 3	
		Download and work on Practice Page worksheets from the Doc Share: CC5e13Pages.pdf
145	Unit D, The Chemistry of Life Module 2, 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.
146	Unit D, The Chemistry of Life Module 2, Assignment 5	
		Textbook End-of-Chapter Questions (In Writing): Page 433: Answer: 33, 35, 37, 39, 41, 43.
146	Unit D, The Chemistry of Life Module 2, Assignment 6	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
148	Unit D, The Chemistry of Life Module 3, Assignment 1	
		Study Sections: 13.4 - 13.5 (Videos + Textbook)
		Take corresponding video quizzes
149	Unit D, The Chemistry of Life Module 3, Assignment 2	
		Perform Activity: 25DNA.pdf
		Record your experience and observations in your field journal.
150	Unit D, The Chemistry of Life Module 3, Assignment 3	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
151	Unit D, The Chemistry of Life Module 3, 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.
152	<a href="#">Unit D, The Chemistry of Life Module 3, Assignment 5</a>	
		Within your field journal, answer the "Explain This" questions appearing below the headers of chapter sections 13.1 - 13.5.
		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.
153	<a href="#">Unit D, The Chemistry of Life Module 4, Assignment 1</a>	
		Study Sections: 13.6, 13.7, 13.8, 15.1 (Videos + Textbook)
		Take corresponding video quizzes
154	<a href="#">Unit D, The Chemistry of Life Module 4, Assignment 2</a>	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
155	<a href="#">Unit D, The Chemistry of Life Module 4, Assignment 3</a>	
		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.
156	<a href="#">Unit D, The Chemistry of Life Module 4, Assignment 4</a>	
		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.
157	<a href="#">Unit D, The Chemistry of Life Module 5, Assignment 1</a>	
		Study Sections: 15.2 - 15.4 (Videos + Textbook)
		Take corresponding video quizzes
158	<a href="#">Unit D, The Chemistry of Life Module 5, Assignment 2</a>	
		Study Sections: 15.5 - 15.7 (Videos + Textbook)
		Take corresponding video quizzes
159	<a href="#">Unit D, The Chemistry of Life Module 5, Assignment 3</a>	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
160	<a href="#">Unit D, The Chemistry of Life Module 5, Assignment 4</a>	

		Perform Activity: 26SoilFilter.pdf
		Record your experience and observations in your field journal.
161	<a href="#">Unit D, The Chemistry of Life Module 5, Assignment 5</a>	
		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.
162	<a href="#">Unit D, The Chemistry of Life Module 5, Assignment 6</a>	
		Textbook End-of-Chapter Questions (In Writing): Page 504: Answer: 33, 35, 37, 39, 43, 49, 53.
163	<a href="#">Unit D, The Chemistry of Life Module 5, Assignment 7</a>	
		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.
164	<a href="#">Unit D, The Chemistry of Life Module 6, Assignment 1</a>	
		Study Sections: 14.1 - 14.2 (Videos + Textbook)
		Take corresponding video quizzes
165	<a href="#">Unit D, The Chemistry of Life Module 6, Assignment 2</a>	
		Study Section: 14.3 (Videos + Textbook)
		Take corresponding video quizzes
166	<a href="#">Unit D, The Chemistry of Life Module 6, Assignment 3</a>	
		Download and work on Practice Page worksheets from the Doc Share: CC5e14Pages.pdf
167	<a href="#">Unit D, The Chemistry of Life Module 6, Assignment 4</a>	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
168	<a href="#">Unit D, The Chemistry of Life Module 6, Assignment 5</a>	
		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.
169	<a href="#">Unit D, The Chemistry of Life Module 6, Assignment 6</a>	

		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.
170	<b>Unit D, The Chemistry of Life Module 6, Assignment 7</b>	
		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.
171	<b>Unit D, The Chemistry of Life Module 7, Assignment 1</b>	
		Study Sections: 14.4 - 14.5 (Videos + Textbook)
		Take corresponding video quizzes
172	<b>Unit D, The Chemistry of Life Module 7, Assignment 2</b>	
		Study Sections: 14.6 - 14.7 (Videos + Textbook)
		Take corresponding video quizzes
173	<b>Unit D, The Chemistry of Life Module 7, Assignment 3</b>	
		Textbook End-of-Chapter Questions (In Writing): Page 473: Answer: 11, 13, 15, 17, 19, 21, 23.
174	<b>Unit D, The Chemistry of Life Module 7, Assignment 4</b>	
		Textbook End-of-Chapter Questions (In Writing): Page 474: Answer: 46, 49, 51, 53, 61, 65, 67, 69.
175	<b>Unit D, The Chemistry of Life Module 7, Assignment 5</b>	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
176	<b>Unit D, The Chemistry of Life Module 7, Assignment 6</b>	
		Summary Challenge: Summarize the main points of this entire unit to some one. Then download and read the chapter summary document: CC5eSummariesUnit3.pdf. Time and energy permitting, give a second performance of your summary.
177	<b>Unit D, The Chemistry of Life Module 7, Assignment 7</b>	
		For chapters 12 - 15 answer question numbers 6 and 7 from each of the "Readiness Assurance Test" (RAT) sections.
		Look to the answer key in the "Authors Responses" document (very last page). If you got at least 6 out of 8 correct then you're ready for the unit exam.
		If you got less than 6 correct, then research the questions you got wrong and then take a break. Then answer questions number 2 and 3 from these same RATs.

		Look to the answer key to see how you did. If you got at least 6 out of 8 correct, then you're ready for the unit exam.
		If you got less than 6 correct, then research the questions you got wrong. Congratulations. You're ready for the unit exam.
178	<a href="#">Unit D, The Chemistry of Life Module 7, Assignment 8</a>	
		Take your fourth 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.
179	<a href="#">Unit D, The Chemistry of Life Module 7, Assignment 9</a>	
		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.