

# Chemistry: 10/19 – 11/21

**Unit Goal: Understand how atoms and molecules work to create all matter.**

**Unit Assessment: Thursday, November 17th**

Page	Date	Goal & Materials
33	10/19	<b>What is an atom?</b> <ol style="list-style-type: none"> <li>C01 How Big is an atom? (5:28) &amp; C01 Video Guide – put the video guide info on the top of page 33.</li> <li>C02 Meet the atom (3p) – Paraphrase the questions on page 33 underneath C01 OR use the reading to fill out the graphic organizer.</li> </ol>
32	10/20	<b>What do the particles in the atom tell us about the atom?</b> C03 Atom Simulator – Instructions are in Google Drive. Complete with a partner or two and write your answers to the questions on the top of page 32.
32-33	10/21	<b>What is in an atom?</b> <ol style="list-style-type: none"> <li>C04 Atomic Structure Notes (10:41) Add to your notes on page 33.</li> <li>C05 Atom &amp; atomic structure output – complete on the bottom of page 32.</li> </ol>
35	10/24	<b>How is the periodic table organized?</b> <ol style="list-style-type: none"> <li>C06 Periodic Table Groups part 1 (8:11) – coloring with Mr. Storvik! You will attach the periodic table as a flip-page on page 35, but you may want to finish tomorrow's (9/27) work first.</li> <li>C07 Periodic Table Reading (3p)– Paraphrase the notes to page 35. Or, do a graphic organizer.</li> </ol>
34-35	10/25	<b>How is the periodic table organized?</b> <ol style="list-style-type: none"> <li>C08 Periodic Table Groups part 2 (2:30) – Finish coloring your periodic table with me Attach the periodic table to page 35 when complete. Make sure it can fold out so you can read it later.</li> <li>C09 Periodic Table Output – Complete on top half of page 34.</li> </ol>
34-35	10/26	<b>What information is in an element key on the periodic table?</b> <ol style="list-style-type: none"> <li>C10 Element Key notes (8:20) – How to use an element key to stalk an atom's life. Add to your periodic table information on page 35.</li> <li>C11 Element Key Output – put on the bottom of page 34.</li> </ol>
36-37	10/27	<b>Where are electrons located?</b> <ol style="list-style-type: none"> <li>C12 electron shells (1:42) – a very quick introduction to electrons.</li> <li>C13 Electron Shell Reading (3p) – Read! Paraphrased questions or graphic organizer go on page 37.</li> <li>C14 Electron Shell Output – attach to page 36. There are video instructions in Drive as well.</li> </ol>
	10/28 Half day	<b>How am I doing so far?</b> Surprise Quiz – open note surprise quiz is today. Don't tell anyone, it's a surprise.
iPad	10/31	<b>Where are electrons located?</b> <ol style="list-style-type: none"> <li>C15 Electron Probability Lab – complete on your iPad.</li> </ol>

36-37	11/1	<b>How do I draw an Electron Dot Diagram?</b> <ol style="list-style-type: none"> <li>1. C16 Dot Diagram Reading (2p) – answer the questions, or attach the graphic organizer, on page 37.</li> <li>2. C17 Dot Diagram notes (6:22) – A quick tutorial from me. Put these notes on page 37.</li> <li>3. C18 Dot Diagram output – complete on page 36.</li> </ol>
38-39	11/2	<b>How do chemical formulas work?</b> <ol style="list-style-type: none"> <li>1. C19 Chemical Formulas (10:22) – Take notes on page 39.</li> <li>2. C20 Chemical Formulas Output – On paper. attach to page 38.</li> </ol>
39	11/3 & 11/4	<b>How do unstable atoms become stable?</b> C21 Bonding Puzzles – Arts & crafts & atoms. Attach to page 39 when you're finished (instructions are in the assignment). You will have two days to complete this assignment.
40-41	11/7	<b>How do you represent covalent bonds with an electron dot diagram?</b> <ol style="list-style-type: none"> <li>1. C22 Covalent Bonds Reading (2p)– questions/graphic organizer go on the top of page 41.</li> <li>2. C23 Covalent Bonds Notes (13:10) – Continue your notes under the reading.</li> <li>3. C24 Covalent Bonds Output – top half of page 40. If you get stuck, watch C24 Instructions (4:02)</li> </ol>
	11/8	<b>No School – Election Day</b>
iPad	11/9	<b>What's a polar molecule? Come to think of it, what's cohesion?</b> <ol style="list-style-type: none"> <li>1. C25 Cohesion Lab – Class Lab. Complete on your iPad.</li> </ol>
40-41	11/10	<b>How do you represent ionic bonds with an electron dot diagram?</b> <ol style="list-style-type: none"> <li>1. C26 Ionic Bonds Reading (3p) – questions/graphic organizer go on the bottom half of page 41.</li> <li>2. C27 Ionic Bonds Notes (5:17) – this explains how to do C28.</li> <li>3. C28 Ionic Bonds Output – goes on the bottom half of page 40.</li> </ol>
43	11/11	<b>What's the difference between a physical change and a chemical change?</b> <ol style="list-style-type: none"> <li>1. C29 Physical Changes (3:40) – Sabrina can explain this better than I can.</li> <li>2. C30 Physical Change Reading (2p) – Put the questions/organizer on the top of page 43.</li> <li>3. C31 Chemical Changes (3:50) – Sabrina can also explain chemical changes.</li> <li>4. C32 Chemical Change Reading (2p) – Put the questions/organizer on the bottom of page 43.</li> <li>5. C33 Chemical &amp; Physical Change Output – put on page 28.</li> </ol>
42	11/14	<b>What's the difference between an endothermic and exothermic chemical change?</b> C34 Chemical Change Lab – class Lab. Attach data sheet to page 42.
44-45	11/15	<b>How do chemical equations work?</b> <ol style="list-style-type: none"> <li>1. C35 Chemical Equations Reading (3p) – paraphrase questions/attach graphic organizer on page 45.</li> <li>2. C36 Chemical Equations Notes (7:08) – add to page 45.</li> <li>3. C37 Chemical Equations Output – complete on page 44.</li> </ol>
	11/16	<b>Do I know this stuff?</b> You will have time in class today to prepare for the test.
	11/17	<b>Do I know this stuff?</b> Test is today. Closed-note section is 12 questions, open-note section is 28 questions.
<b>3-day weekend</b>		
iPad	11/21	<b>How do you tell a physical change apart from a chemical change?</b> C38 Physical or Chemical Change Lab – complete on your iPad.