

Chemistry Course 1: Atomic Theory & Periodic Law Proficiency Sheet					
Lessons	Topics	Learning Target	Activities	Score/%	Date taken
Course 1 Pretest					
Lab Safety	Lab Safety		Lab Safety Vocabulary (liveworksheets.com)		
			Lab Safety Rules (liveworksheets.com)		
			Lab Safety Quiz (liveworksheets.com)		
Course 1 Pretest	Modern Atomic Theory & Periodic Lab		Course 1: Modern Atomic Theory & Periodic Law Pretest		
1.1 Atomic Models	1.0 Properties of Water	<i>I can describe and explain how the properties of water are vital for all life on Earth.</i>	1. FSI Properties of Water Pretest (fsicourses.net)		
			2. Properties of Water video notes (liveworksheets.com)		
			3. Water Interactive Activity (liveworksheets.com)		
			4. Properties of Water Reading (Print out)		
			5. Properties of Water Stations Lab (Print out)		
			6. FSI Properties of Water Post test (fsicourses.net)		
	1.1 History of Atomic Models	<i>I can evaluate merits and limitations of different models of the atom in relation to relative size, charge, and position of</i>	1. History of Atomic Models Pretest (fsicourses.net)		

		protons, neutrons, and electrons in the atom.			
			2. History of Atomic Models video notes (liveworksheets.com)		
			3. Atomic Theory Timeline Project (Print out)		
			4. Atomic Model Project (Print out)		
			5. History of Atomic Models Post test (fsicourses.net)		
1.2 Protons & Element Identity	Protons & Element Identity	I can construct an argument to support the claim that the proton defines the element's identity.	1. Protons & Element Identity Pretest (fsicourses.net)		
			2. Atomic Structure 101 Video Notes (liveworksheets.com)		
			3. Atomic Structure Interactive (liveworksheets.com)		
			4. Atomic Structure Review Activity (liveworksheets.com)		
			5. Atomic Structure Beads Lab (Print out)		
			6. Atomic Structure Post test (fsicourses.net)		
1.3 Periodic Table	Periodic Table	I can use the periodic table as a model to predict the relative properties of elements based on the patterns of electrons in the	1. Periodic Table Pretest (fsicourses.net)		

		outermost energy level of atoms.			
			2. Periodic Table Video Notes (liveworksheets.com)		
			3. Fill out Periodic Table (Print out)		
			4. Periodic Table Interactive (liveworksheets.com)		
			5. Periodic Table Review (liveworksheets.com)		
			6. Periodic Table Post test (fsicourses.net)		
	Periodic Table Trends Part 1	<i>I can use the periodic table as a model to predict the relative properties of elements based on the patterns of electrons in the outermost energy level of atoms.</i>	1. Periodic Table Trends Pretest (fsicourses.net)		
			2. Periodic Table Trends Video Notes (liveworksheets.com)		
			3. Periodic Table Trends Interactive (liveworksheets.com)		
			4. Periodic Table Groups Interactive (liveworksheets.com)		
			5. Periodic Table Trends POGIL (Print out)		
			6. Periodic Table Trends Project (Print out)		

			7. Periodic Table Trends Post test (fsicourses.net)		
1.3 Element Production via Nuclear Fusion	Element Production via Nuclear Fusion	<i>I can construct an explanation based on scientific evidence of the production of elements heavier than hydrogen by nuclear fusion.</i>	1. Nuclear Energy Pretest (fsicourses.net)		
			2. Nuclear Fusion Video Notes (liveworksheets.com)		
			3. Fission vs. Fusion Reading Interactive (liveworksheets.com)		
			4. Nuclear Fusion Calculation Activity (Print out)		
			5. Nuclear Energy Post test (fsicourses.net)		
1.4 Abundance of Specific Isotopes & Atomic Mass of Elements	Basics of Isotopes	<i>I can construct an explanation that relates the relative abundance of isotopes of a particular element to the atomic mass of the element.</i>	1. Isotopes Basics Pretest (fsicourses.net)		
			2. Isotopes Video Notes (liveworksheets.com)		
			3. Isotopes Cloze Read Interactive (liveworksheets.com)		
			4. Isotopes Interactive Challenge Activity (liveworksheets.com)		

			5. Isotopes Basics Post test (fsicourses.net)		
	Abundance of Specific Isotopes & Atomic Mass of Elements	<i>I can construct an explanation that relates the relative abundance of isotopes of a particular element to the atomic mass of the element.</i>	1. Abundance of Isotopes Pretest (fsicourses.net)		
			2. Abundance of Isotopes Video Notes (liveworksheets.com)		
			3. Isotopes Practice (Print out)		
			4. Abundance of Isotopes Post test (fsicourses.net)		
			5. Calculating Average Atomic Mass Pretest (fsicourses.net)		
			6. Calculating Average Atomic Mass Video Notes (liveworksheets.com)		
			7. Abundance of Isotopes Practice (Print out)		
			8. Calculating Average Atomic Mass Post test (fsicourses.net)		
1.5 Light Emission & Movement of Electrons to Identify Elements	Light Emission & Movement of Electrons to Identify Elements	<i>I can construct an explanation of light emission and the movement of electrons to identify elements.</i>	1. Light Emission & Electrons Pretest		
			2. Light Emission Video Notes (liveworksheets.com)		
			3. Electron Energy & Light POGIL (Print out)		

			4. Light Emission & Electrons Post test (fsicourses.net)		
1.6 Periodic Table Trends	Periodic Table Trends Part 2	<i>I can use the periodic table as a model to predict the relative properties of elements based on the patterns of electrons in the outermost energy level of atoms.</i>	1. Periodic Table Trends Pretest (fsicourses.net)		
			2. Periodic Table Trends Video Notes (liveworksheets.com)		
			3. Periodic Table Trends Color & Organize Activity (Print out)		
			4. Periodic Trends Review (Print out)		
			5. Periodic Table Trends Web quest (Print out)		
			6. Periodic Table Trends Post test (fsicourses.net)		
			Course 1: Modern Atomic Theory & Periodic Law Post test		