

Chemistry Course 1 Atomic Theory & Periodic Law Proficiency Sheet Part 1

Lessons	Topics	Learning Target	Activities	Score/%	Date Passed
Lesson 1.1a Atomic Models	a.History of Atomic Models	I can evaluate merits and limitations of different models of the atom in relation to size, charge, and position of protons, neutrons, and electrons in the atom.	History of Atomic Models Pretest		
			Atomic Theory Timeline Project		
			Atomic Model Project		
			History of Atomic Models Post test		
Lesson 1.2b Protons & Element Identity	b.Protons & Element Identity	I can construct an argument to support the claim that the proton defines the element's identity.	Protons & Element Identity Pretest		
			Atomic Structure Video Review		
			Atomic Structure Interactive Activity		
			Atomic Structure Review		
			Protons & Element Identity Post test		
Lesson 1.3 Periodic Table	Periodic Table	I can analyze and interpret data to determine number of valence electrons, types of ions formed by main group elements, location and properties of metals, nonmetals, and metalloids, and phases at room temperature.	Periodic Table Pretest		
			Periodic Table Video Notes		
			Periodic Table Valence e-, Charge, Periods Interactive Activity		
			Periodic Table Review		

			Periodic Table Gallery Walk		
			Periodic Table Post test		
Lesson 1.3 Periodic Table	Periodic Table Trends	I can analyze and interpret data to determine number of valence electrons, types of ions formed by main group elements, location and properties of metals, nonmetals, and metalloids, and phases at room temperature.	Periodic Table Trends Pretest		
			Periodic Table Trends Video Notes		
			Periodic Table Metals, Nonmetals, Metalloids Interactive Activity		
			Periodic Table Groups & Families Interactive Activity		
			Periodic Table Web quest		
			Periodic Table Groups Poster Project		
			Periodic Table Triangle Trivia Game		
			Periodic Table Trends Post Test		
Lesson 1.3 Element Production via Nuclear Fusion	Element Production via nuclear fusion	I can construct an explanation based on scientific evidence of the production of elements heavier than hydrogen by nuclear fusion.	Nuclear Energy Pretest		
			Nuclear Fission vs. Nuclear Fusion Video Notes		
			Nuclear Fission vs. Fusion Reading for Meaning Interactive Activity		
			Nuclear Fission vs. Fusion POGIL		
			Nuclear Fission vs. Fusion Cereal Lab Activity		
			Nuclear Energy Post test		