

8th Grade Science Course 1 – Structures & Properties of Matter Proficiency Sheet

Lessons	Topics	Learning Target	Activities	Score/%	Date taken
			8th Grade Science Pretest		
1.1 States of Matter Particle Movement	a. States of Matter	I can describe and explain the difference between solids, liquids, and gases.	1. States of Matter Pretest (fsicourses.net)		
			2. States of Matter video notes (liveworksheets.com)		
			3. States of Matter Review Interactive (liveworksheets.com)		
			4. Matter on the Move Lab (Coach Spivey Print out)		
			5. Legends of Learning States of Matter Investigation Game (fsicourses.net)		
	b. Particle Movement	I can describe and explain the difference between particle motion in solids, liquids, and gases.	1. Particle Movement Pretest (fsicourses.net)		
			2. Particle Movement Video Notes (liveworksheets.com)		
			3. Particle Movement Interactive (liveworksheets.com)		

			4. Reading Heating & Cooling Curves (fsicourses.net – Print out)		
			5. Phase Change Lab – Coach Spivey (Print out)		
			6. Phase Change Review		
			7. Phase Change Post test		
1.2 Chemical vs. Physical Properties & Changes of Matter	a. Chemical & Physical Properties of Matter	I can plan and carry out investigations to compare and contrast chemical and physical properties of matter.	1. Chemical & Physical Changes/Properties of Matter Pretest (fsicourses.net)		
			2. Chemical & Physical Properties Video Notes (liveworksheets.com)		
			3. Chemical & Physical Properties Interactive (liveworksheets.com)		
			4. Chem. & Phy. Review Interactive (liveworksheets.com)		
			5. Gallery Walk (Print out)		
			6. Chem. & Phy. Properties Lab (Print out)		
			7. Chem. & Phy. Properties Post test (fsicourses.net)		

Lesson 1.3 – Elements, Compounds, & Mixtures	a. Elements, Compounds, Mixtures	I can develop and use a model to compare and contrast pure substances (elements, compounds) and mixtures	1. Elements, Compounds, Mixtures Pretest (fsicourses.net)		
			2. Elements, Compounds, Mixtures Video Notes (liveworksheets.com)		
			3. Elements, Compounds, Mixtures Interactive (liveworksheets.com)		
			4. Review Interactive (liveworksheets.com)		
			5. Elements, Compounds, Mixtures Lab (Print out)		
			6. Elements, Compounds, Mixtures Post test (fsicourses.net)		
Lesson 1.4 – Atomic Structure	a. Atomic Structure	I can develop models by analyzing patterns within the periodic table that illustrate the structure, composition, and characteristics of atoms and simple molecules.	1. Atomic Structure Pretest (fsicourses.net)		
			2. Atomic Structure Interactive (liveworksheets.com)		
			3. Atomic Structure 1-Pager (Sheet of paper)		

			4. Atomic Structure Review (liveworksheets.com)		
			5. Atomic Structure Gallery Walk (fsicourses.net print out)		
			6. Building Atomic Structure Models (fsicourses.net)		
			7. Atomic Structure Post test (fsicourses.net)		
Lesson 1.5 – Bohr Models & The Periodic Table	a. Bohr Models & The Periodic Table	I can develop models by analyzing patterns within the periodic table that illustrate the structure, composition, and characteristics of atoms and simple molecules.	1. Bohr Models & Periodic Table Pretest (fsicourses.net)	Score/%	Date taken
			2. Bohr Models Video Notes (liveworksheets.com)		
			3. Atomic Structure Bohr Model Activity (fsicourses.net print out)		
			4. M&M Bohr Model Lab (fsicourses.net print out)		
			5. Build Your Own Atom Bohr Model Project (fsicourses.net print out)		
			5. Bohr Models & Periodic Table Post test (fsicourses.net)		

<i>Lesson 1.6 – The Law of Conservation of Matter</i>	a. Types of Chemical Reactions	I can construct an explanation based on evidence to describe conservation of matter in a chemical reaction including the resulting differences between products and reactants.	1. Types of Chemical Reactions Pretest (fsicourses.net)		
			2. Types of Chemical Reactions Video Notes (liveworksheets.com)		
			3. 4 Types of Chemical Reactions Review (fsicourses.net printout)		
			4. Types of Chemical Reactions Interactive Activity (liveworksheets.com)		
			5. Law of Conservation of Mass Lab		
			6. Law of Conservation of Mass & Matter Lab		
			7. Types of Chemical Reactions Post test		
Course 1 Review			1. Course 1 Review (liveworksheets.com)		
			2. Course 1 Assessment (fsicourses.net)		
			3. Course 1 Benchmark Assessment) (Schoolcity)		
			4. Course 1 Benchmark Reassessment (Assessment print out, Zipgrade)		

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