

WEEK OF September 4th-8th, 2023

COURSE: 8th Grade ADV & GEN Science		TEACHER: Turner		PERIODS: 1, 2, 3, 4, 6		
	OBJECTIVES	ACTIVITIES	MATERIALS	HOMEWORK	ASSESSMENT	STANDARDS
M O N	Labor Day					
T U E S	<p>Define matter and classify descriptions as matter or nonmatter.</p> <p>Differentiate states of matter based on molecular structure.</p> <p>Describe properties of each state of matter.</p> <p>Describe how the addition or removal of thermal energy affects the state of matter.</p>	<p>GEN BR: Matter questions</p> <p>ADV BR: Matter questions</p> <p>Students will:</p> <p>GEN: Finish PhET simulation; complete States of Matter Doodle notes; complete States of Matter Venn Diagram.</p> <p>ADV: Discuss Unit 1 notes pp.2-3; complete Atoms in Motion PhET Simulation.</p>	<p>PhET simulation - States of Matter Basics</p> <p>States of Matter Doodle notes</p> <p>States of Matter Venn Diagram</p> <p>E3/A+ Unit 1 notes</p> <p>Atoms in Motion PhET Simulation</p>	Finish any unfinished classwork	Participation; simulation	<p>ACOS:</p> <p>2. Plan and carry out investigations to generate evidence supporting the claim that one pure substance can be distinguished from another based on characteristic properties.</p> <p>4. Design and conduct an experiment to determine change in particle motion, temperature, and state of a pure substance when thermal energy is added or removed.</p> <p>5. Observe and analyze characteristic properties of substances before and after the substances combine to determine if a chemical reaction has occurred.</p>
W E D	<p>Define matter and classify descriptions as matter or nonmatter.</p> <p>Differentiate states of matter based on molecular structure.</p> <p>Describe properties of each state of matter.</p> <p>Describe how the addition or removal of thermal energy affects the state of matter.</p>	<p>GEN BR: Changes in states questions</p> <p>ADV BR: Changes in states questions</p> <p>Students will:</p> <p>GEN: Complete States of Matter Worksheet; complete States of Matter Task Cards.</p> <p>ADV: Watch Tyler DeWitt: Phase Change video; watch Water Curve video; complete States of Matter Venn Diagram; complete Odd One</p>	<p>States of Matter Worksheet</p> <p>States of Matter Task Cards</p> <p>Tyler DeWitt: Phase Change video</p> <p>Water Curve video</p> <p>States of Matter Venn Diagram</p> <p>Odd One Out: Changes in States</p>	Finish any unfinished classwork	Participation	<p>ACOS:</p> <p>2. Plan and carry out investigations to generate evidence supporting the claim that one pure substance can be distinguished from another based on characteristic properties.</p> <p>4. Design and conduct an experiment to determine change in particle motion, temperature, and state of a pure substance when thermal energy is added or removed.</p> <p>5. Observe and analyze characteristic properties of substances before and after the substances combine to</p>

		Out: Changes in States.				determine if a chemical reaction has occurred.
T H U R S	<p>Define matter and classify descriptions as matter or nonmatter.</p> <p>Differentiate states of matter based on molecular structure.</p> <p>Describe properties of each state of matter.</p> <p>Describe how the addition or removal of thermal energy affects the state of matter.</p> <p>Differentiate between phases of matter.</p> <p>Identify phase changes based on movement of thermal energy.</p> <p>Define physical and chemical properties.</p> <p>Utilize physical and chemical properties to show how substances differ.</p> <p>Differentiate physical and chemical properties.</p>	<p>GEN BR: Changes in states questions</p> <p>ADV BR: Changes in states questions</p> <p>Students will:</p> <p>GEN: Read & discuss Matter States & Properties Article - highlight key points; complete Physical & Chemical Properties Doodle notes; complete Physical & Chemical Changes Doodle notes.</p> <p>ADV: Complete Checkpoint 1.1; complete A Cool Phase Change Lab.</p>	<p>Matter States & Properties Article</p> <p>Physical & Chemical Properties Doodle notes</p> <p>Physical & Chemical Changes Doodle notes</p> <p>E3/A+ Checkpoint 1.1</p> <p>A Cool Phase Change Lab or Popcorn Lab</p>	Finish any unfinished classwork	Participation; checkpoint	<p>ACOS:</p> <p>2. Plan and carry out investigations to generate evidence supporting the claim that one pure substance can be distinguished from another based on characteristic properties.</p> <p>4. Design and conduct an experiment to determine change in particle motion, temperature, and state of a pure substance when thermal energy is added or removed.</p> <p>5. Observe and analyze characteristic properties of substances before and after the substances combine to determine if a chemical reaction has occurred.</p>
F R I	<p>Define matter and classify descriptions as matter or nonmatter.</p> <p>Differentiate states of matter based on molecular structure.</p> <p>Describe properties of each state of matter.</p> <p>Describe how the addition or removal of thermal energy affects the state of matter.</p> <p>Differentiate between phases</p>	<p>GEN BR: Physical & Chemical properties questions</p> <p>ADV BR: Changes in states questions</p> <p>Students will:</p> <p>GEN: Complete Physical & Chemical Changes Card Sort; complete Physical & Chemical Changes Task Cards.</p> <p>ADV: Complete Checkpoint 1.2;</p>	Physical & Chemical Changes Card Sort	Finish any unfinished classwork	Participation; checkpoint	<p>ACOS:</p> <p>2. Plan and carry out investigations to generate evidence supporting the claim that one pure substance can be distinguished from another based on characteristic properties.</p> <p>4. Design and conduct an experiment to determine change in particle motion, temperature, and state of a pure substance when thermal energy is added or removed.</p> <p>5. Observe and analyze</p>

	<p>of matter.</p> <p>Identify phase changes based on movement of thermal energy.</p> <p>Define physical and chemical properties.</p> <p>Utilize physical and chemical properties to show how substances differ.</p> <p>Differentiate physical and chemical properties.</p>	<p>read Physical, Chemical, & Nuclear article & answer questions; discuss Unit 1 Notes pp.5-9; take notes on Physical & Chemical Properties & Changes.</p>				<p>characteristic properties of substances before and after the substances combine to determine if a chemical reaction has occurred.</p>
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