

GRAY

COURSE: 8th Grade ADV & GEN Science

TEACHER: Bette Cobb

PERIODS: All

	OBJECTIVES	ACTIVITIES	MATERIALS	HOMEWORK	ASSESSMENT	STANDARDS
T U E S 1 - 1 2	<p>Differentiate between endothermic and exothermic reactions.</p> <p>Define activation energy.</p> <p>Identify and describe factors that affect the rates of reactions.</p> <p>Demonstrate knowledge of chemical reactions and equations.</p>	<p>GEN BR: Complete types of reactions questions</p> <p>ADV BR: Complete types of reactions questions</p> <p>Students will:</p> <p>GEN: Discuss activation energy; define endothermic & exothermic reactions; differentiate between endothermic & exothermic reactions; discuss rates of reactions & what factors can change rates; complete Key Concept Builder: Energy Changes & Chemical Reactions; complete Content Practice A: Energy Changes & Chemical Reactions</p> <p>ADV: Complete Checkpoint 3.4 & 3.5; complete Unit 3 Test; complete Unit 3 NB test; watch TedEd video on mixtures; complete Element, Compounds, & Mixtures sort; complete Classification of Matter sheet.</p>	<p>Bozeman Science video - Activation Energy</p> <p>Bozeman Science video - Endothermic & Exothermic Reactions</p> <p>Ted ED video - How to Speed Up Chemical Reactions</p> <p>Key Concept Builder</p> <p>Content Practice A</p> <p>Unit 3 Test</p> <p>Unit 3 NB Test</p> <p>Ted ED video - Science of Macaroni Salad</p> <p>E,C,M Card Sort</p> <p>Classification of Matter Sheet.</p>	<p>Finish any unfinished classwork</p>	<p>Key Concept Builder; Content Practice A; Unit Test & NB Test; Checkpoints</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>3. Construct explanations based on evidence from investigations to differentiate among compounds, mixtures, and solutions.</p>
T H U R 1 - 1 4	<p>Review Chemical Reactions and Equations.</p> <p>Differentiate between pure substances and mixtures.</p> <p>Differentiate between homogeneous and heterogeneous mixtures.</p>	<p>GEN BR: Complete endothermic & exothermic questions</p> <p>ADV BR: Complete endothermic & exothermic questions</p>	<p>Ch. 12 Vocabulary Quiz</p> <p>Bill Nye Video - Chemical Reactions</p> <p>Video Worksheet</p> <p>Chemcial Reaction Task</p>	<p>Finish any unfinished classwork</p>	<p>Vocab Quiz; video worksheet; task cards; Odd One Out</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>Identify the parts of a solution..</p> <p>Define saturated, unsaturated, and supersaturated.</p> <p>Differentiate between saturated, unsaturated, and supersaturated solutions.</p> <p>Determine what factors affect solubility.</p>	<p>Students will:</p> <p>GEN: Complete Ch. 12 Vocabulary Quiz; watch Bill Nye video - Chemical Reactions & complete worksheet; complete Chemical Reaction Task Cards; complete Study Guide.</p> <p>ADV: Discuss difference between pure substances & mixtures; observe Nuts & Bolts Demo; predict if a substance is pure or a mixture; describe mixtures as homogeneous or heterogeneous; identify parts of a solution; discuss concentration & saturation of solutions; discuss factors that affect solubility; complete Odd One Out - Elements, Compounds, & Mixtures.</p>	<p>Cards</p> <p>Study Guide</p> <p>Nuts & Bolts Demo</p> <p>Odd One Out - E, C, M</p>			<p>3. Construct explanations based on evidence from investigations to differentiate among compounds, mixtures, and solutions.</p>
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