

SUBSTANCES AND PHYSICAL PROPERTIES- LEARNING MASTERY GRID

STANDARD FOCUS:

VOCABULARY TERMS: mixture, pure substance, solubility, density, melting point, boiling point, heterogenous, homogenous, metallic, non-metallic, compound, matter, solutions, colloids, suspensions, solute, solvent, atom

<p>ACADEMIC TARGETS</p> <p>Level 5: Advanced Option</p> <p>TARGET: I can investigate a topic about how physical properties can change our understanding of the universe.</p>	<p>Level 5: Choose one of the following questions and create a presentation that explains your finding</p> <ol style="list-style-type: none"> 1. How does hydrogen go from a gas on earth to a plasma on the sun? 2. How does liquid nitrogen change the physical properties of various substances? 3. How do we know what elements are in our universe? 4. How does a forensic scientist use physical properties to solve a crime? 		
<p>Level 4: Construct & Design</p> <p>TARGET: I can teach how to separate a mixture of a pure substance, mixture and a compound.</p>	<p>LO 4A: Important adult assignment</p>		
<p>Level 3: Compare & Contrast</p> <p>TARGET: I can compare and contrast elements, mixtures and pure substances using their physical properties.</p>	<p>LO-3A: Graphic Organizer - Draw/Analyze</p> <p>Need: Graphic Organizer</p> <p>Assessment: LO-3A Checkin Quiz Schoology</p>	<p>LO-3B: Inquiry Lab Investigation: Separate the Mixtures</p> <p>Need: Inquiry Lab Investigation</p> <p>Laptop simulation Worksheet</p> <p>Assessment: Lab answers</p>	<p>LO-3D: SUMMATIVE ASSESSMENT</p> <p>Complete summative assessment. You will have 3 chances to complete assessment.</p> <p>SCORE: _____</p> <p>- 85% Mastery must be achieved. If it is not achieved after 3 tries, additional review activities must be completed.</p>

<p>Level 2: Apply and Demonstrate:</p> <p>TARGET: I CAN apply and demonstrate knowledge of physical properties and how they describe pure substances and mixtures.</p> <p>Define all vocabulary: solubility, density, melting point, boiling point, metallic, non-metallic, solution, colloid, suspension, solute, solvent</p>	<p>LO-2A: Physical Property Notes</p> <p>Vocab Sheet</p> <p>Need: Physical Property Reading</p> <p>Assessment: LO-2A Checkin Schoology</p>	<p>LO-2B: Density Lab</p> <p>Need: Density Lab and Materials</p> <p>Assessment: Lab sheet and reflection</p>	<p>LO-2C: Chromatography Lab</p> <p>Boiling/Melting Simulation</p> <p>Need: Chromatography Lab</p> <p>Assessment: Lab answers</p>	<p>LO-2D: Compounds/Mixture lab Categorizing</p> <p>Need: Compounds and Mixtures Lab</p> <p>Assessment: Student responses and explanations</p>	
<p>Level 1: Define and Recall</p> <p>TARGET: I CAN define and explain how matter is classified as elements, compounds, and mixtures (homogenous, heterogenous)</p> <p>Define all vocabulary: atom, matter, element, mixtures, compounds, homogenous, heterogenous, pure substance,</p>	<p>LO-1A: Matter Notes</p> <p>Complete all notes and activities in Nearpod</p> <p>Vocab worksheet</p> <p>Need: NEAR POD, guided note sheet and vocab sheet - in hanging file holder</p> <p>Assessment: LO-1A Checkin Exit Quiz in Schoology</p>	<p>LO-1B: Classifying Matter Reading</p> <p>Need: Reading, Classify Matter Note Organizer (In Hanging file) Science Notebook</p> <p>Vocab worksheet</p> <p>Assessment: LO - 1B Exit Quiz in Schoology</p>	<p>LO-1C: Quizizz Vocab review</p> <p>Need: Quizizz</p> <p>Assessment: LO-1C Exit Quiz in Schoology</p>	<p>LO-1D: Mixtures Inquiry with pictures</p> <p>SCORE: _____</p> <p>NEED: Lab</p> <p>Assessment: lab answers</p>	<p>1D - Level 1 Mastery Successful completion of Elements, Compounds and Mixtures Level 1 quiz to show knowledge. 320242</p> <p>Get Quizizz Code from Ms. Momany 85% passing</p> <p>ATTEMPTS: 1 2 3 4</p> <p>SCORE _____</p>