

Lesson Plans for week of November 16<sup>th</sup> to 20<sup>th</sup>

	FORENSICS	CHEMISTRY 1A	EARTH SCIENCE	BIOLOGY A
<b>M</b> <b>O</b> <b>N</b> <b>D</b> <b>A</b> <b>Y</b>	<p>DNA Profiling</p> <p><u>Discuss</u></p> <p>Lab -Step 4 - Simulated Southern Blot (separating DNA from double strand to single strand)</p> <p><u>Assign</u></p> <p>Lab -Step 4 - Simulated Southern Blot Cut off complementary strand for each DNA fragment</p> <p><u>Discuss</u></p> <p>Lab – Step 5 – Simulated Detection and Analysis of Target DNA fragments</p> <p><u>Assign</u></p> <p>Lab – Step 5 – Simulated Detection and Analysis of Target DNA fragments Locate every DNA fragment that spell CAT and attach a pink Radioactive Probe</p>	<p><u>Discuss</u></p> <p>Pre-lab “Chemical Activity of Metals”</p> <p><u>Assign</u></p> <p>With Lab partner answer the Pre-Lab questions</p> <p><u>Discuss</u></p> <p>Pre-lab questions Go over procedure</p> <p><u>Assign</u></p> <p>Do Lab – collect observations</p> <p><u>Discuss</u></p> <p>Results from the lab</p> <p><u>Assign</u></p> <p>Lab - Critical Thinking Analysis, Conclusions and Applications questions Hand in Lab</p> <p><u>Reminder</u></p> <p>Finish and hand in review for Test</p>	<p><u>Correct</u></p> <ul style="list-style-type: none"> <li>Directed Reading C11S2</li> </ul> <p><u>Assign</u></p> <ul style="list-style-type: none"> <li>Concept Review</li> <li>Review for Test – due by beginning of hour tomorrow</li> <li><b>TEST ON WEDNESDAY</b></li> </ul>	<p><u>Discuss</u></p> <p>Review Passive Transport Active Transport – C5S2</p> <ul style="list-style-type: none"> <li>Use transparencies with outline.</li> <li>Use Video Concepts           <ol style="list-style-type: none"> <li>Active Transport</li> <li>Comparing Active and Passive Transport</li> <li>Sodium-Potassium Pump</li> </ol> </li> </ul> <p><u>Assign</u></p> <p>Active Transport</p> <ul style="list-style-type: none"> <li>Directed Reading</li> <li>Active Reading</li> </ul>

	<p><u>Conclusion</u> On the Electrophoresis Gel Blotter Master mark the fragments that have the radioactive probes attached and determine who is the daddy.</p>			
<p><b>T</b> <b>U</b> <b>E</b> <b>S</b> <b>D</b> <b>A</b> <b>Y</b></p>	<p><u>Discuss</u> Computer Program <u>Faces</u> – making a composite sketch</p> <p><u>Assign</u></p> <ul style="list-style-type: none"> <li>• Make a composite sketch of the person sitting next to you.</li> <li>• Print it out and hand it in.</li> <li>• Make a composite sketch of a person you know well but are not in the room.</li> <li>• Print it out and hand it in.</li> </ul>	<p><u>Correct</u> 5-3 Review and Reinforcement</p> <p><u>Discuss</u> Review for Test <b>TEST TOMORROW</b></p> <p><u>Assign</u></p> <ul style="list-style-type: none"> <li>• Read Chapter 7 – Section 1 pages 225 to 235</li> <li>• Do worksheet with 10 concept to define or explain – Chapter 7 – Section 1 “Ionic Bonding”</li> </ul>	<p><u>Discuss</u></p> <ul style="list-style-type: none"> <li>• Review for Test</li> <li>• <b>TEST TOMORROW</b></li> <li>• Introduce Chapter 12 – Earthquakes</li> <li>• Show Visual Concept for Section 1 “How and Where Earthquakes Happen” (4)</li> </ul> <p><u>Assign</u></p> <ul style="list-style-type: none"> <li>• Study for Test</li> <li>• Directed Reading Chap 12 Sec 1 – How and Where Earthquakes Happen</li> </ul>	<p><u>Discuss</u> Summarize Passive and Active Transport Name 3 types of each</p> <p><u>Assign</u> Vocabulary Review Vocabulary Crossword Concept Map Review for Test</p>
<p><b>W</b> <b>E</b> <b>D</b> <b>N</b> <b>E</b> <b>S</b> <b>D</b> <b>A</b></p>	<p><u>Assign</u> Finish composite sketches from yesterday. Do a random portrait generated by the program</p>	<p>Study for Test</p> <p>Collect Review Sheets</p> <p><b>TEST CHAPTER 5 – PERIODIC TABLE</b></p> <p><u>Discuss</u></p>	<p>Study for Test</p> <p>Collect Review Sheets</p> <p><b>TEST CHAPTER 11 DEFORMATION OF THE EARTH</b></p>	<p><u>Introduce</u></p> <ul style="list-style-type: none"> <li>• Chapter 5 “Photosynthesis and Cellular Respiration” – Section Outline (Trans) for whole chapter</li> <li>• Objectives and Key Terms for Section 1 (textbook)</li> <li>• Show Visual Concepts Sec</li> </ul>

Y		<p>Chapter 7 – Section 1</p> <ul style="list-style-type: none"> <li>• Ionic Bonds</li> <li>• Ionic Compounds</li> <li>• Cation</li> <li>• Anion</li> <li>• Octet Rule</li> <li>• Lewis Dot Diagram</li> <li>• Types of Ions <ul style="list-style-type: none"> <li>1. Monatomic</li> <li>2. Polyatomic</li> </ul> </li> <li>• Binary Ionic Compounds</li> <li>• Use Visual Concepts</li> </ul> <p><u>Assign</u></p> <ul style="list-style-type: none"> <li>• 7-1 Review and Reinforcement #1 to 22</li> </ul>	<p><u>Assign</u></p> <ul style="list-style-type: none"> <li>• Finish Directed Reading Chap 12 Sec 1 – How and Where Earthquakes Happen</li> <li>• Teaching Transparencies with questions. <ol style="list-style-type: none"> <li>1. Anatomy of an Earthquake</li> <li>2. Seismic Waves and Earth’s Interior</li> <li>3. Earthquakes and Tectonic Plate Boundaries</li> </ol> </li> </ul>	<p>1 (3)</p> <p><u>Assign</u></p> <ul style="list-style-type: none"> <li>• Read pages 94 to 96 “Energy and Living Things”</li> <li>• Do Directed Reading and Active Reading Worksheet C5S1</li> </ul>
T H U R S D A Y	<p><u>Discuss</u> Crime Scene Scenario and students are the witnesses</p> <p><u>Assign</u> Do a composite sketch of the suspect.</p>	<p><u>Discuss</u></p> <ul style="list-style-type: none"> <li>• Crisscross Method for writing formulas including Binary Ionic Compounds and ones with polyatomic ions</li> <li>• How to use Periodic Table to find positive ions. All positive ions in compounds are elements with 1 exception of ammonium, (p.231)</li> <li>• Discuss use of roman numerals when there is more than one charge (transition elements)</li> <li>• Use chart on Page 232 to find negative ions.</li> </ul>	<p><u>Discuss</u> Chapter 12 Section 2 “Studying Earthquakes” Show Visual Concepts</p> <p><u>Assign</u> Directed Reading Chapter 12 Section 2 “Study Earthquakes”</p>	<p><u>Discuss</u></p> <ul style="list-style-type: none"> <li>• Summarize Section 1</li> <li>• Objectives and Key Terms for Section 2 (textbook)</li> <li>• Show Visual Concepts Sec 2 (9)</li> </ul> <p>Reminder of Assignments due from yesterday.</p> <p><u>Assign</u></p> <ul style="list-style-type: none"> <li>• Read pages 97 to 103 “Photosynthesis”</li> <li>• Do Directed Reading Worksheet C5S2</li> </ul>

		<ul style="list-style-type: none"> <li>When to use parenthesis</li> </ul> <p><u>Assign</u></p> <ul style="list-style-type: none"> <li>Finish 7-1 R&amp;R #23 to 28</li> <li>Do 7-1 Practice Problems</li> <li>Read pages 236 to 243 “Covalent Bonding”</li> <li>Do worksheet with definitions and explanations C7S2 “Covalent Bonding”</li> </ul>		<ul style="list-style-type: none"> <li>Do Active Reading Worksheet C5S2</li> </ul>
<b>F</b> <b>R</b> <b>I</b> <b>D</b> <b>A</b> <b>Y</b>	<p><u>Discuss</u> The Science Behind Ballistics and Firearms</p> <p><u>Assign</u> Read the handout on the background of The Science Behind Ballistics and Firearms And answer the questions on the worksheet</p>	<p><u>Discuss</u> Use Visual Concepts “Covalent Bonding”</p> <ul style="list-style-type: none"> <li>Molecules</li> <li>Molecular Formula</li> <li>Structural Formula</li> <li>Lewis Structure</li> <li>Unshared Pairs</li> <li>Multiple Bonds</li> <li>Dots and Dashes</li> <li>Exceptions to Octet Rule</li> <li>Properties of Covalent Bonds</li> <li>Electronegativity and Types of Bonds</li> </ul> <p><u>Assign</u> 7-2 Review and Reinforcement “Covalent Bonding”</p>	<p>Academics Award 1:20 pm</p> <p><u>Discuss</u> Chapter 12 Section 3 “Earthquakes and Society” Show Visual Concepts</p> <p><u>Assign</u> Directed Reading Chapter 12 Section 3 “Earthquakes and Society”</p>	<p><u>Correct</u></p> <ul style="list-style-type: none"> <li>Directed Reading Worksheet C5S1</li> <li>Active Reading Worksheet C5S1</li> </ul> <p><u>Discuss</u></p> <ul style="list-style-type: none"> <li>Summarize Section 3</li> <li>Objectives and Key Terms for Section 3 (textbook)</li> <li>Show Visual Concepts Sec. 3 (7)</li> </ul> <p>Reminder of Assignments due from yesterday, Section 2</p> <p><u>Assign</u></p> <ul style="list-style-type: none"> <li>Read pages 104 to 110 “Cellular Respiration”</li> <li>Do Directed Reading Worksheet C5S3</li> </ul>

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