

**PRE-AP CHEMISTRY LESSON PLAN**  
**UNIT 04: CHEMICAL EQUATIONS**  
**OCTOBER 26, 2007 – NOVEMBER 5, 2007**

*Note: All lesson plans are subject to change. Instructions given in class take precedence over information posted on the website. Please email any questions to [elewis3@houstonisd.org](mailto:elewis3@houstonisd.org).*

DAY	OBJECTIVE(S)	ACTIVITIES
<b>FRIDAY</b>	List the diatomic elements.  Write equations describing chemical reactions using appropriate symbols.  Write balanced chemical equations when given the names of formulas of the reactants and products.  Identify the type of chemical reaction.	<b>UNIT DAY 1 (10/26)</b> 1. DEMO: Combustion and Synthesis 2. NOTES: Diatomic Elements, Writing and Balancing Chemical Rxns. Types of Chemical Rxns. 3. HANDOUTS – notes and practice problems  <b>HW:</b> Make sure you still have polyatomic ions memorized!
<b>MONDAY</b>	List the diatomic elements.  Write equations describing chemical reactions using appropriate symbols.  Write balanced chemical equations when given the names of formulas of the reactants and products.  Identify the type of chemical reaction.	<b>UNIT DAY 2 (10/29)</b> 1. Juniors take NCDS test during 1st-3rd periods 2. Other students report to S231 for 1st-3 <sup>rd</sup> periods. <i>Note: (I am a test administrator – Students will need to work together and support each other in periods 1-3 today)</i> 3. INDEPENDENT PRACTICE 9-1: Identifying, writing, and balancing chemical rxns.  <b>HW:</b> Complete Practice Problems 9-1; QUIZ Friday; TEST Monday 11/5
<b>TUESDAY</b>	List the diatomic elements.  Write equations describing chemical reactions using appropriate symbols.  Write balanced chemical equations when given the names of formulas of the reactants and products.  Identify the type of chemical reaction.	<b>UNIT DAY 3 (10/30)</b> 1. Juniors take NCDS test part II during 1st-3rd periods 2. Other students report to S231 for 1st-3 <sup>rd</sup> periods. <i>Note: (I am a test administrator – Students will need to work together and support each other in periods 1-3 today)</i> 3. Self grade Practice Problems 9-1 4. INDEPENDENT PRACTICE 9-2: Identifying, writing, and balancing chemical rxns.  <b>HW:</b> Complete Practice Problems 9-2 for HW due Wed/Thurs; QUIZ Friday; TEST Monday 11/5
<b>WEDNESDAY/ THURSDAY BLOCK</b>	Use solubility rules to predict the precipitates formed in double replacement reactions.  Write and balance net ionic reactions.	<b>UNIT DAY 4 (10/31 or 11/1)</b> 1. GRADE 9-2 for HW grade. 2. NOTES: Net ionic equations, Using Solubility Rules to predict products of double displacement reactions. 3. GUIDED AND INDEPENDENT PRACTICE: Predict (solid or aqueous) products of double displacement reactions.  <b>UNIT DAY 5 (10/31 or 11/1)</b> 4. LAB: Net ionic equations 5. Diagnostic Practice QUIZ  <b>HW:</b> LAB due Tuesday 11/6; QUIZ Friday 11/2 ; TEST Monday 11/5

<b>DAY</b>	<b>OBJECTIVE(S)</b>	<b>ACTIVITIES</b>
<b>FRIDAY</b>	Predict products for synthesis, decomposition, and combustion reactions.  Use the activity series to predict products of single replacement reactions.	<b>UNIT DAY 6 (11/2)</b> <ol style="list-style-type: none"> <li>1. QUIZ: Writing and Balancing complete and net ionic Chemical Equations</li> <li>2. NOTES: Predicting Products of non double displacement reactions</li> <li>3. PRACTICE: Predict Products of non double displacement reactions</li> </ol>
		<b>HW:</b> Study for Unit EXAM on Monday
<b>MONDAY</b>	Demonstrate knowledge of writing and balancing equations for the five general types of chemical reactions	<b>UNIT DAY 7 (11/5)</b> <ol style="list-style-type: none"> <li>1. UNIT EXAM</li> </ol>
		<b>HW:</b> Read Chapter 7 in preparation for next Unit.