MS. SHEEHAN’S LEVEL 2 CHEMISTRY CLASS UNIT AGENDA FOR CHAPTER 8

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| Overview In this chapter we will be discussing how to write chemical reactions from names, balance chemical reactions, and distinguish between the various types of chemical reactions with a focus on predicting products. Objectives *Central Concepts*: In a chemical reaction, one or more reactants are transformed into one or more new products. Chemical equations represent the reaction and must be balanced. The conservation of atoms in a chemical reaction leads to the ability to calculate the amount of products formed and reactants used.   1. 5.1 Balance chemical equations by applying the laws of conservation of mass and constant composition (definite proportions). 2. 5.2 Classify chemical reactions as synthesis (combination), decomposition, single displacement (replacement), double displacement, and combustion.  Activities  1. Section 1 lecture: Indications of a Chemical Reaction, Conservation of Mass and Balancing Equations (4/10-4/11: 4/22 - 4/23)   Watch the following youtube videos **at home:**  **http://www.youtube.com/watch?v=E0k59qVZ9Fw&feature=channel**  [**http://www.youtube.com/watch?v=xrcdpiqWgas**](http://www.youtube.com/watch?v=xrcdpiqWgas)  [**http://www.youtube.com/watch?v=VYOA5q5IMxc&feature=channel**](http://www.youtube.com/watch?v=VYOA5q5IMxc&feature=channel)   1. Section 2 lecture: Types of Chemical Equations and Predicting Products (4/24 – 4/30)   Watch the following youtube videos **at home:**  **http://www.youtube.com/watch?v=tE4668aarck&feature=related**  [**http://www.youtube.com/watch?v=5eWmMC7f9to&NR=1&feature=fvwp**](http://www.youtube.com/watch?v=5eWmMC7f9to&NR=1&feature=fvwp)  [**http://www.youtube.com/watch?v=XS6JTr-mTWY&NR=1**](http://www.youtube.com/watch?v=XS6JTr-mTWY&NR=1) Evaluation  1. Homework Section 1: Read pages 261 - 274 Do section review on page 274 #1 - #4 [Due 4/22/2013] 2. Balancing Equations Quiz Tuesday 4/23/2013 3. Types of Chemical Reactions lab (period 6- 7: 4/30/2013) 4. Worksheet on identifying types of reactions [Due 4/26/2013] 5. Identify the types of Chemical Reactions quiz 5/1/2013 6. Test on Chapter 8: 5/3/2013 |  |  |