

NAME:

HONORS CHEMISTRY

SECTION:

Chemical Reactions Assignment Sheet

Assignment	Due Date
1. Study names and symbols of "More Elements"	Monday, 10/21
2. Work on individual formal lab report: Determination of an Empirical Formula	
3. §Go to http://chemistry2.csudh.edu/homework/hwintro.html and complete 20 problems of #19—upload receipt in Google Classroom!	Tuesday, 10/22
4. Read pp. 145-149 in textbook	
5. §Complete pp. 159-161 #2, 4, 6, 7-12	
6. Finish individual formal lab report: Determination of an Empirical Formula	Wednesday, 10/23
7. Read pp. 167-169, 179-183, 186-187	Thursday, 10/24
8. §Complete p. 197-199 #31-32, 40-43, 51, 71, 75, 77	
9. §Virtual single replacement lab	Friday, 10/25
10. *Complete the classifying reactions puzzle (Google Classroom)	Monday, 10/28
11. §Create a concept map about chemical reactions	
12. §Review sheet	Tuesday, 10/29
13. Study for test on chemical reactions	Wednesday, 10/30
14. *Google Classroom assignment—factor label review	Thursday, 10/31
15. Finish double displacement minilab	Friday, 11/1

Dates to Remember: §may be checked or collected in class *may be checked on line
Chemical Reactions Test: Wednesday, 10/30
Term 1 ends on Thursday, 10/31

After studying chapters 6 and 7, you should be able to:

- List indirect evidence that a reaction has occurred.
- Identify the reactants and products in a chemical reaction.
- Rewrite a chemical equation from a description of a chemical reaction using appropriate symbols and formulas.
- Demonstrate the ability to write and balance chemical reactions when given the names or formulas of all reactants and products.
- Classify a reaction as synthesis, decomposition, single replacement, double displacement (precipitation), or combustion.
- Classify reactions as redox or non-redox.
- Identify acid-base reactions.
- State the driving forces that predict whether a reaction will occur.
- Predict the products of simple reactions given the reactants.
- Use the activity series of metals to predict whether a given reaction will occur and to predict the products of single replacement reactions.
- Use solubility tables to predict precipitant formation.
- Write net ionic equations for double displacement reactions.

Some Useful Websites:

- http://nobel.scas.bcit.ca/chem0010/unit8/8.2_balance.htm
- <http://education.jlab.org/elementbalancing/index.html>
- <http://users.wfu.edu/ylwong/balanceeq/balanceq.html> an interactive tutorial (uses Flash)
- <http://www.sciencegeek.net/Chemistry/taters/EquationBalancing.htm>
- http://www.mpcfaculty.net/mark_bishop/balancing_equations_tutorial.htm (uses Flash)
- <http://chemunder.chemistry.ohio-state.edu/under/chemed/qbank/quiz/bank3.htm>
- http://nobel.scas.bcit.ca/chem0010/unit8/8.3.2_balal.htm (an algebraic approach!)
- <http://antoine.frostburg.edu/chem/senese/101/reactions/symptoms.shtml>
- <http://www.iun.edu/~cpanhd/C101webnotes/chemical%20reactions/netioniceq.html>
- <http://www.kentchemistry.com/links/Kinetics/PredictingSR.htm> (Uses Flash)
- <http://antoine.frostburg.edu/chem/senese/101/redox/faq/activity-series.shtml>
- <http://intro.chem.okstate.edu/1515SP01/Database/Solub.html> A solubility table
- <http://www.shodor.org/unchem/basic/chemreac/#redox> Identifying and classifying redox reactions
- <https://chemfiesta.wordpress.com/2015/04/14/an-introduction-to-redox-reactions/>
- <http://www.chemistryland.com/CHM130FieldLab/Lab8/Lab8.html>

