Chemistry CP

Name:

Homework: Redox

Section:

Assignment	Due Date
1. Webcast on oxidation numbers—complete google form	Monday, 6/3
2. *Acid-Base Titration* Lab Report (individual, formal!) 3. Pair Tutoring Sheet—1 column	Wednesday, 6/5
4. Peer tutoring sheet—2 columns 5. Worksheet on galvanic cells	Friday, 6/7
6. Study for FFF#19 7. Prepare redox summary card	Monday, 6/10
8. Review packet questions 1-35	Tuesday, 6/8
9. Review packet questions 36-71	Wednesday, 6/9
10. Review packet questions 72-105	Thursday, 6/10
11. Prepare 1 pg summary sheet—must be handwritten, no photocopies 12. Study for final exam!	Final Exam

Dates to remember:

FFF#19 Monday 6/10

F Period Final Monday, 6/17 G Period Final Wednesday, 6/18 B Period final Friday 6/14

Useful Websites:

http://www.chemtutor.com/redox.htm
http://www.chemistry.co.nz/redox_begin.htm
http://www.wfu.edu/~ylwong/redox/
http://chemed.chem.purdue.edu/genchem/topicreview/bp/ch19/oxred_1.php
http://hyperphysics.phy-astr.gsu.edu/hbase/chemical/electrochem.html
http://www.science.uwaterloo.ca/~cchieh/cact/c123/battery.html
http://www.chemguide.co.uk/inorganic/redoxmenu.html#top
http://www.mhhe.com/physsci/chemistry/essentialchemistry/flash/galvan5.swf voltaic cell simulation
http://www.ausetute.com.au/elecysis.html electrolytic cells
http://www.ausetute.com.au/voltcell.html voltaic cells
http://www.chem.purdue.edu/gchelp/howtosolveit/Electrochem/Electrochemical_Cell_Potentials.htm

After studying this chapter, you should be able to:

- Compute the oxidation number of an atom of any element in a pure substance.
- Identify the oxidizing and reducing agent in a redox reaction .
- Distinguish between redox and non-redox reactions.
- Define oxidation and reduction in terms of a change in oxidation number and identify atoms being oxidized or reduced in redox reactions.
- Apply the half-reaction method to balance redox equations.
- Relate chemical activity to oxidizing and reducing strength.
- Explain a voltaic cell using a sketch, labeling the cathode, the anode, and the direction of electron flow.
- Compute the standard cell potential of a cell using standard electrode potentials
- Distinguish between electrolytic and voltaic cells.