

Topics to be covered on first AP Chemistry exam

Classification of matter – Review the worksheet and the assigned reading from the book

Nomenclature – you need to memorize basic ions on this list and then use these ions to name ionic compounds. The following sites offer good practice or tutorials

http://preparatorychemistry.com/Bishop_ionic_nomenclature_help.htm

<http://chemed.chem.purdue.edu/genchem/topicreview/bp/ch2/names.html>

http://www.pafaculty.net/biology/keith/KR_Graph_site/ionic_nomenclature_page.htm

<http://www.fernbank.edu/Chemistry/nomen.html>

<http://www.teacherbridge.org/public/bhs/teachers/Dana/ionic.html>

Lab Experiments:

- 1) Thickness of Zn coating lab. You need to understand the chemistry of aqueous redox reactions and how to do the calculations to get the answer. Sources of error are also important
- 2) Formula of a hydrate lab. Focus on calculations and sources of error

Dimensional analysis problem set – Review the problem set and make sure you can do EVERY problem. Problems 5 and 9 seemed to give people a lot of trouble. You need to be a master at this.

The following book problems will help you practice more: 1.31, 1.55, 1.76, 1.79, 3.39, 3.41, 3.63, 3.72, 3.92, 3.98, 3.103, 4.65, 4.71, 4.75, 4.85

Atomic theory: Go over the problem set again and review the book and/or watch chemguy.

Electromagnetic waves and Energy of photons – These are simple formulas but it never hurts to practice more. Do the following problems: 6.11, 6.13, 6.15, 6.17, 6.23, 6.27, 6.29

Quantum numbers – remember n,l,m,s look at problems 6.49, 6.51, 6.64, 6.73

Periodic trends – Review all trends, look at book problems 7.11, 7.13, 7.21, 7.23, 7.27, 7.29, 7.31, 7.33, 7.37, 7.41, 7.45, 7.51