

Apologia Chemistry  
2004-2005 (Updated June 2004)

Please let me know what you can provide from the following list:

- Mass Scale – don't buy one. I have one but thought another would be good.
- 12 - 8 inch balloons
- Chunk of metal that has mass of 30g (lead sinker or very large steel nut)
- 10 Styrofoam cups
- 4 plastic empty 2 ltr. Bottles
- Lye (Red Devil Lye? is one brand, sold with drain cleaners in supermarkets)
- 2 - powdered drain cleaner - Drano
- baking soda
- white vinegar – 42 oz.
- distilled water – 1 gallon
- black electrical tape
- 9 volt battery
- rectangular metal can with a lid- like the one turpentine comes in. Must be thoroughly cleaned out.
- Joy or Sunlight dishwashing liquid
- red and blue litmus paper
- toilet bowl cleaner designed to combat lime (Lime Away or The Works)
- bar soap (not pH balanced)
- all-purpose cleaner (Windex or 409)
- Comet
- clear ammonia solution (has to be clear),
- filter paper

**Remember Dr. Wiles is available by phone, email, or fax if you have any questions.**

**All text in your textbook that is centered and in boldface type must be memorized. The definitions also must be memorized. Any formulas that will be used for exercises must be memorized for the test.**

Make sure you work all On Your Own questions thoroughly and always, always, always correct the ones you missed making sure you really understand it. On the Examples, don't just read them, sit down with a pencil and paper and do them.

\*\*\* – Always tell mom the notes for supplies needed. The supplies in bold print are the ones we need. **For Aug. 25, need 12 (2 for now, rest for later) - 8 inch balloons – who can bring these? Does anyone else have a mass scale?? I think mine will work but having 2 wouldn't hurt. Ask your mom!!!!**

Mark your calendar: **March 18, 2005 – Science Fair**

Aug. 16 – Read/study p. i – iv (Student Notes)

Read/study p. 1- 4. Read exper. but we'll do them on Wed. Chemistry is harder than biology. You will have to study and not just read the pages. Make sure you work the problems on paper yourself as you're reading through the chapter.

Aug. 17 – Read/study p. 5-10 (top). Do On Your Own (OYO) questions, p. 10. Correct OYO using answers on p.32. If you missed any, go back and study it until you understand how to get the correct answer. Knowing how to answer these and work these correctly is VERY important.

Always review boldfaced words, any tables and examples in the text, making sure you really understand it. Start memorizing the boldfaced words and text.

Aug. 18 - Read/study p. 10-12. Do OYO questions on p. 11 and 12; correct (p.32). Always, if you miss any, go back and study it until you understand why and how to get the correct answer. Always review all boldfaced terms, tables, and examples.

Aug. 19 – Read/study p. 13-16. Do OYO questions p. 16; correct. Terms, tables, and examples. Review boldfaced type on p. 15. On p. 15, see the centered boldfaced text “1 cubic centimeter is the same as 1 milliliter”. That means you'll have to know it and memorize that for the test.

Aug. 20 – Read/study p. 17-21. Do OYO questions p. 21; correct. Terms, tables, and examples. Memorize bold faced type on p. 21.

Aug. 23 – Read/study p. 22-25 (top). Do OYO questions p. 25; correct. Terms, tables, and ex. Review all examples for the chapter.

Aug. 24 – Read/study p. 25-31. Do OYO p. 31; correct. Are you correcting all OYO questions that you missed and really understanding them? Memorize boldfaced text on bottom of p. 25 and middle of p. 27. Review all terms and tables for the chapter. Start doing extra Review Questions for Module #1 – Appendix B, p. 569. Correct with answers in Solutions manual on p. 83.

**Aug. 25 - Lab at \_\_\_\_\_ – 1:00 p.m. Experiments 1.1- 1.4 and work thru some problems.**

Watch CD? Go over OYO and Examples.

- Get lab notebook ready.
- For every experiment – Read through the entire Experiment first. Start a new page in your lab notebook. (Remember that this notebook may have to be presented to prove your lab science to university officials. So, keep it nice and neat!)
- Start a new page for each experiment. The first page should be used to write down all of the data taken during the experiment and perform any calculation in the experiment.
- When you've finished, write a brief report in your lab notebook, right after the page where the data was written. The report should be a brief description of what was done and what was learned. Write a brief summary (not a step by step procedure) that will allow someone who has never read the text to understand what you did and what you learned.
- **Bring lab notebook, textbook, pencil/pen. Need 12 - 8 in. Balloons (2 for now, rest for later), 2 pieces of string, tape, tall glass, book, metric/english ruler, graduated cylinder or measuring cup, pancake syrup, vegetable oil, a large glass, a mass scale, a spoon – Sheri has these except balloons.**

**We also need a chunk of metal that has mass of 30g (lead sinker or very large steel nut) and 2 Styrofoam cups for Sept. 8<sup>th</sup> lab and a plastic 2 ltr. Bottle for Sept. 15<sup>th</sup>.**

Remember to write a summary.

Review All OYO questions for the chapter using the correct answers .

Aug. 26 - Do Review Questions on p. 35 and Practice problems on p. 36. Correct using answers in solutions manual, p. 1 and 19. Correct the ones you missed making sure you really understand and know it. If you missed more than 2, tell mom.

Aug. 27 – Study chapter. Module 1 Test. Give test to mom to grade.

- Aug. 30 - Correct the ones you missed on the test. Give back to mom. Bring test to next lab.  
- Read/study p. 37- middle of 40. Review terms.
- Aug. 31 - Read/study p. 40-47. Do OYO questions p. 46, 47; correct. Always go back and not only correct the ones you missed, but really understand why. Memorize bold text on p.42. Review all terms, tables, and examples. **Tell mom need a chunk of metal that has mass of 30g (lead sinker or very large steel nut) and 2 Styrofoam cups on Sept. 8.**
- Sept. 1 - Read/study p. 48- top of 53. Do OYO p. 50 and 53; correct. Memorize boldfaced text on. p. 48,53. Did you work through Example 2.3??? You need to!! Review all terms, tables, and examples. **Tell mom need Lye (Red Devil Lye?? is one brand, sold with drain cleaners in supermarkets) or powdered drain cleaner, several purple cabbage leaves, round balloon with diameter 7-10 inches, baking soda, white vinegar, mass scale on Sept. 15.**
- Sept. 2 - Read/study p. 53-59. Do OYO p. 59-60; correct. Did you work through examples 2.4-2.5 well?? Make sure you're understanding how to do this. It's VERY important.  
Review  
all terms, examples, and tables for the chapter. Make sure you've memorized bold type.
- Sept. 3-6 Labor Day Holiday
- Sept. 7 - Do Review Questions p. 67; correct. Review terms and examples. Review all OYO questions with correct answers for the chapter. Bring test 1 tomorrow. Extra Review Questions for Module #2 – Appendix B, p. 570. Correct with answers in Solutions manual on p. 85.
- Sept. 8 - Meet at \_\_\_\_\_, 1 p.m.** Experiment 2.1 and 2.2 and Examples in chapter. Watch CD? Go over OYO, test 1, and Examples.  
**Need a chunk of metal that has mass of 30g (lead sinker or very large steel nut), 2 Styrofoam cups,** water, calibrated thermometer, mass scale, boiling water, kitchen tongs.  
Remember to write your summary.  
Review the chapter.
- Sept. 9 - Do Practice Problems on p. 68; correct. Miss >2 - tell mom. Always go back and not only correct the ones you missed, but really understand why. Study hard for test tomorrow.
- Sept. 10 - Module 2 Test. Give test to mom. Bring to next lab.  
**Tell mom - Need (in bold) distilled water,** baking soda, sugar, 2 pieces of insulated wire 15 cm long, scissors or wire cutters, **black electrical tape,** 100 ml beaker or small glass, **9 volt battery for Sept. 22.**
- Sept. 13 – Correct test, give back to mom. Correct test. Read/study p. 69-73. Do OYO p. 73; correct. Know Example 3.1. Review terms.
- Sept. 14 - Read/study p. 74-77. Do OYO p. 77; correct. Memorize bold text. Review terms. Memorize the abbreviations for the first 20 elements on the chart (H through Ca). Bring Test tomorrow.
- Sept. 15 - Meet at \_\_\_\_\_, 1 p.m.** Experiment 3.1 The Conservation of Mass, p. 71, Example 3.1, and first 20 elements. Watch CD? Go over OYO, test 2, and Examples.  
**Need Lye (Red Devil Lye?? is one brand, sold with drain cleaners in supermarkets) or powdered drain cleaner, several purple cabbage leaves, round balloon with diameter 7-10 inches, baking soda, white vinegar, mass scale.**

Write your summary after the data pages.

**Need for Sept. 29:** two beakers, sand or kitty litter, salt, funnel, egg, graduated cylinder that's been filled with 30 ml of water and frozen for 12 hours (it needs to be covered loosely with plastic), **egg in vinegar overnight, a rectangular metal can with a lid.**

Sept. 16 - Read/study p. 78-81. Do OYO p. 81-82; correct. Review Figure 3.1. Did you work through ex. 3.2? Review terms.

Sept. 17 - Read/study p. 82-87. Do OYO p. 87; correct. Review terms, figure, and example.

Sept. 20 - Read/study p. 87-90. Do OYO p. 90; correct. Review terms for the entire chapter and memorize boldfaced text (p. 89-90).

Sept. 21 - Read/study p. 90-93. Do OYO p. 92; correct. Review terms, table, example, and boldfaced text (p.89-90). Review all OYO for the chapter

### **Sept. 22 - Meet at \_\_\_\_\_, 1 p.m.**

Experiment 3.2 Electrical Conductivity of Compounds in Water, p. 88. Watch CD? Go over OYO and Examples.

**Need distilled water, baking soda, sugar, 2 pieces of insulated wire 15 cm long, scissors or wire cutters, black electrical tape, 100 ml beaker or small glass, 9 volt battery.**

Write summary after data pages.

Sept. 23 - Do Review Questions and Practice problems on p. 97-98. Correct. Miss > 2, tell mom. Make sure you really understand the chapter. Know bold type and element abbreviations.

Sept. 24 - Module 3 Test. Give test to mom. Bring to next lab.

Sept. 27 - Correct test, give back to mom. Read/study p. 99-106 (top). Do OYO p. 106; correct. Review terms and Figures.

Sept. 28 - Read/study p. 106-111. Do OYO p. 109, 111; correct. Review all terms and Figures. Make sure the graduated cylinder is frozen tonight for lab tomorrow – making sure it's covered loosely with plastic (p.107-108). Also, start the experiment by putting the egg in the vinegar (p. 107-108) so for lab tomorrow it'll be ready. Bring test tomorrow.

**Sept. 29 – Meet at \_\_\_\_\_, 1 p.m.** Do Experiments 4.1-4.4. Watch CD? Go over OYO, test 3, and Examples. Need two beakers, sand or kitty litter, salt, funnel, egg, food coloring, graduated cylinder that's been filled with 30 mL of water and frozen for 12 hours (it needs to be covered loosely with plastic), vinegar, **a rectangular metal can with a lid.**

Remember to write summaries after each lab data sheet.

Sept. 30 - Read/study p. 111-114. Do OYO p. 114; correct. Review terms and Figures

Oct. 1 - Read/study p. 114-119 (top). Review terms and Figures

Oct. 4 - Read/study p. 119-122. Do OYO p. 122; correct. Review terms and Example. Make sure you worked through the example, didn't just read it. So, yes, I want you to take pencil and paper and work through it yourself making sure you understand it. Review all OYO questions for the chapter using the correct answers.

Oct. 5 - Read/study p. 122(bottom) - 125 working through the Example on paper. Do OYO p. 125; correct. Review terms and example. Review all terms for the chapter.

Oct. 6 - Do Review Questions and practice problems, p. 131-132. Correct. Make sure to correct the ones you missed making sure you understand everything. Miss > 2? Tell mom

Oct. 7 - Module 4 Test. Give test to mom. Bring to next lab.

Oct. 8 - Holiday or catch up day or State Fair

Oct. 11 - Correct test. Read/study p. 133-136. Do OYO p. 136; correct. Review terms. Did you work through the Examples on paper?? Tell mom - **For Oct. 20, Need Joy or Sunlight dishwashing liquid, medicine dropper, graduated cylinder, large glass, large bowl**

**with diameter larger than 10 inches but smaller than 12 inches, pepper, ruler.**

**Decide who will bring what.**

Oct. 12 - Read/study p. 136-138 (top) working through the Example. Do OYO p. 138; correct.  
Review terms.

Oct. 13 – **PSAT** – if you're not taking the PSAT use this day to study or catch up.

Oct. 14 - Read/study p. 138-140 working through the Example. Do OYO p. 140; correct.

Oct. 15 – Read/study p. 140-145 working through the Example. Do OYO p. 144-145; correct.  
Review terms

Oct. 18 - Read/study p. 145-151 working through the Example. Do OYO p. 151; correct.  
Memorize bold type on p.146. Review terms and example. Start reviewing the chapter, making sure you understand the OYO questions and the Examples

Oct. 19 - Read/study p. 151-152 working through the Example. Review all terms, Examples, and

Figures for the chapter. Bring test tomorrow. Extra practice problems in Appen. B.

**Oct. 20 - Meet at \_\_\_\_\_, 1 p.m.** Do Experiment 5.1, p. 149. Watch CD? Go over OYO, test 4, and Examples.

**Need Joy or Sunlight dishwashing liquid**, medicine dropper, graduated cylinder, large glass, **large bowl with diameter larger than 10 inches but smaller than 12 inches**, pepper, ruler.

Write summary after data sheet.

Oct. 21- Read/study p. 152-155 working through the Example. Do OYO p. 155; correct.

Memorize bold type on p.153. Review all OYO for the chapter using the correct answers. Start working on review questions if you don't want to do all questions and problems in 1 day tomorrow. **Oct. 27, Need** baking soda, vinegar, string, grad. cylinder, ruler, **round balloon, plastic 2 ltr. bottle**, mass scale. **Decide who will bring what.**

Oct. 22 - Do Review questions and Practice problems, p. 161-162. Miss > 2? Tell mom.  
STUDY

for test. Make sure you understand everything. Review all terms, Examples, and memorized passages for test tomorrow.

Oct. 25 – Review/study. Module 5 Test. Give test to mom. Bring to next lab.

Oct. 26 - Correct test. Read/study p. 163-165 working through the Example. Do OYO p. 165; correct. Read through lab before coming tomorrow. Bring test tomorrow.

**Oct. 27 – Lab at \_\_\_\_\_, 1 p.m..** Read thru lab before coming. Experiment 6.1, p. 166. Go over test 5.

Watch CD? Need baking soda, vinegar, string, grad. cylinder, ruler, round balloon, plastic 2 ltr. bottle, mass scale.

Write summary after data sheet.

Oct. 28 - Read/study p. 165-170 working through the Example. Do OYO p. 170; correct.

Oct. 29 - Read/study p. 170-173 working through both Examples. Do OYO p. 171 and 173; correct. Review terms and examples.

Nov. 1 – Read/study p. 173-175 working through the Example. OYO p. 176, correct.

Nov. 2 – Holiday – tomorrow is a long lesson. You may want to do some today.

Nov. 3 - Read/study p. 176-182 working through both Ex. carefully. Do OYO p. 182-3; correct.  
Did you understand everything? Extra practice problems in Appen. B.

Nov. 4 - Read/study p. 183-186. Do OYO p. 186; correct. Review all terms for the chapter.

Nov. 5 - Read/study p. 186-190 working through all Examples. Do OYO p.189,190; correct.  
Review all OYO for the chapter making sure you understand it all.

- Nov. 8 - Do Review Questions, p. 198; correct. Review Examples in chapter.
- Nov. 9 – Do Practice Problems p. 199-200; correct making sure you understand it. Review Examples. Miss > 2? Tell mom. STUDY for test. Make sure you understand everything.
- Nov. 10 - Module 6 test. Give test to mom. Bring to next lab.
- Nov. 11 - Correct test. Read/study p. 201-206. Do OYO p. 206; correct. Memorize bold type on p. 204-206. Review terms and Figures. Review terms and Figures.
- Nov. 12 - Read/study p. 206-208 working through the Example. Do OYO p. 208; correct. Memorize bold type on p. 207. Review terms.
- Nov. 15 - Read/study p. 208-213 (middle). Review terms and Figures.
- Nov. 16 – Read/study p. 213-218 working through the Example. Do OYO p. 219; correct. Review terms and Figures. Bring test tomorrow.
- Nov. 17 – Lab at Neely’s, 1 p.m.** Do Experiment 7.1 on p. 203, Experiment 7.2, p. 223, and go over Examples, test 6, and OYO. Watch CD.  
Write summary. Supplies needed: comb, aluminum foil, cellophane tape, red marker.
- Nov. 18 - Read/study p. 219-222 working through the Example. Do OYO p. 223; correct. Memorize bold type on p. 219-220. Review terms and Figures.
- Nov. 19 - Read/study p. 223-228 (middle). Review terms, Examples, and Figures.
- Nov. 22 - Read/study p. 228-233. Memorize bold type on p. 231. Review all terms and Figures for the chapter.
- Nov. 23 – Read/study p. 234-237. Do OYO p. 237; correct. Review Examples for chapter.
- Nov. 24-26 – Thanksgiving Holiday.
- Nov. 29 - Read/study p. 237-240 working through the Example. Do OYO p. 238; correct. Review all OYO for the chapter using the correct answers. Need to review well since it’s been awhile. Extra practice problems in Appen. B.
- Nov. 30 - Do Review Questions and Practice Problems p. 245-246; correct. Miss > 2? Tell mom. STUDY for test. Make sure you understand everything.
- Dec. 1 - Module 7 test. Give test to mom. Bring test to next lab.
- Dec. 2 - Correct test; give back to mom.. Read/study p. 247-251 working thru Ex. 8.1. Do OYO p. 251; correct. Memorize bold type on p. 248-249.
- Dec. 3 - Read/study p. 251-257 working thru Ex. 8.2. Do OYO p. 257, correct. Memorize bold type on p. 252, 253, and 255. Review terms examples for the chapter
- Dec. 6 - Read/study p. 257-260 working thru Example. Do OYO p. 258 and 260, correct. Memorize bold type on p. 259.
- Dec. 7 - – Read/study p. 261-263. Do OYO p. 262,263, correct. Memorize bold type on p. 261-263. Bring test tomorrow.
- Dec. 8 – Lab at \_\_\_\_\_, 1 p.m..** This is to go over OYO, Examples, test 7, and watch CD. No labs.
- Dec. 9 - Read/study p. 263-268, working through Example. Do OYO p. 268, correct. Memorize bold type on p. 265 and 267. Are you understanding this process? Extra practice problems in Appen. B.
- Dec. 10 - Read/study p. 269-272. Do OYO p. 272, correct. Are you still working thru the Examples on paper and understanding them? Review all OYO for the chapter using the correct answers on p. 277-282.
- Dec. 13 - Read/study p. 272-276. Review all terms, bold type, and examples in the chapter.
- Dec. 14 - Do Review questions and practice problems on p. 283-84; correct. Miss > 2? Tell mom. STUDY for test.
- Dec. 15 - Module 8 Test. Bring test to mom. Bring to next lab.
- Dec. 16 – Correct test; give back to mom. Today and tomorrow, write a 3 page paper typed and double spaced, on one of the following topics (or choose your own topic from Modules

8 or write about a scientist): Thermodynamics, The Kinetic Theory of Matter, The Three Basic Types of Chemical Reactions, The Electromagnetic Spectrum, Atomic Structure, Lewis Structures, Mass Spectroscopy.

Dec. 17 – Finish paper. Give paper to \_\_\_\_\_.

Dec. 20 – 31 – Christmas Holidays

Jan. 3 – Read/study p. 285-289. Do OYO, p. 289; correct.

Jan. 4 – Read/study p. 289-293.

Jan. 5 – Read/study p. 294-297. Do OYO p. 297-298; correct. By now you should know to always work through the example and work till you understand it. Memorize bold type on p. 295 – YES, all of it!

Jan. 6 - Read/study p. 298-303. Do OYO p. 303, correct.

Jan. 7 – Read/study p. 303-306 Do OYO p. 306, correct. **Need Styrofoam or paper cup for lab on Wed.** Memorize bold type on p. 305. Review all OYO questions for the chapter using the correct answers. Extra practice problems in Appen. B.

Jan. 10 - Read/study p. 307-308. Do OYO p.308, correct. Memorize bold type on p. 307. Review all terms, memorized text, and examples for the chapter.

Jan. 11 - Do Review questions and practice problems on p. 317-318. Correct. Miss > 2? Tell mom. Do you understand everything? Study for test. Bring test 8 tomorrow.

**Jan. 12 - Meet at the Neely's, 1 p.m.** Exper. 9.1 and 9.2 **Need veg. Oil, Styrofoam or paper cup**, comb, 2 test tubes, table salt. Watch CD, go over Examples, OYO, problems, and test 8.

Don't forget to write a summary after data sheet in lab notebook.

**On Jan. 26, Need: red and blue litmus paper, apple, orange juice or soda, toilet bowl cleaner designed to combat lime (Lime Away or The Works), bar soap (not pH balanced), all-purpose cleaner (Windex or 409), powdered drain unclogger (Dran-O or Red Devil Lye) OR scouring powder (Comet), 4 test tubes, watch glass (or small saucer), stirring rod, rubber gloves, few leaves of red cabbage, 2 beakers, heating flame, graduated cylinder, Medicine dropper, clear ammonia solution (has to be clear), clear vinegar, mass scale, distilled water, and white sheet of paper.**

**Decide who'll bring what.**

Jan. 13 - Module 9 test. Give test to mom. Bring to next lab.

Jan. 14 – School Holiday. Catch up day if needed.

Jan. 17 – School Holiday. Catch up day if needed. Tomorrow is a long lesson, you may want to start today on it.

Jan. 18 – Correct test; give back to mom. Read/study p. 319-327. Do OYO, p.327. Memorize bold type on p. 319, 320, 325.

Jan. 19 – Read/study p. 327-332, making sure to work thru Example. Do OYO p. 332, correct.

Jan. 20 - Read/study p. 332-336, working thru Example. Do OYO p. 333, 336; correct.

Jan. 21 - Read/study p. 336-338. Do OYO p. 338, correct.

Jan. 24 - Read/study p. 338-341. Do OYO p. 341, correct. Review all terms for chapter. Extra Practice problems in Appen. B.

Jan. 25 - Read/study p. 341-345. Do OYO p. 345, correct. Review all OYO for chapter. Bring Test tomorrow.

**Jan. 26 - Meet at \_\_\_\_\_, 1 p.m.** Exper. 10. 1 and 10.2. Watch CD. Go over OYO and problems, test 9.

**Need: red and blue litmus paper, apple, orange juice or soda, toilet bowl cleaner designed to combat lime (Lime Away or The Works), bar soap (not pH balanced), all-purpose cleaner (Windex or 409), powdered drain unclogger (Dran-O or Red Devil Lye) OR scouring powder (Comet), 4 test tubes, watch glass (or small saucer), stirring rod, rubber gloves, few leaves of red cabbage, 2 beakers, heating flame, graduated cylinder, Medicine dropper, clear ammonia solution (has to be clear), clear vinegar, mass scale, distilled water, and white sheet of paper.**

**Don't forget summary.**

**For lab on Jan. 30<sup>th</sup>, Need: 250 ml beaker, 100 ml beaker, graduated cylinder, stirring rod, thermometer, mass scale, filter paper, funnel, cold carbonated soda, Drano, protective goggles or glasses.  
Decide who'll bring what.**

Jan. 27 - Do Review questions and practice problems, p. 351-352; correct. Miss > 2, tell mom. Do you understand everything? Study well for test. You will need to tell me on Feb. 2 what your Chemical Science Fair project will be on. Look at notes on Feb. 1<sup>st</sup>.

Jan. 28 - Module 10 test. Give to mom. Bring to next lab.

Jan. 31 – Correct test; give back to mom. Read/study p. 353-362. Study Figures. Do OYO p. 362;

correct. Memorize bold type p.359,362.

Feb. 1 – Read/study p. 363-367. Do OYO p. 367; correct. Read through Experiment 11.4 before coming tomorrow.

Decide what you want to do for a science project that will be due March 18<sup>th</sup>. You need to decide now in order to start preparing anything that may take a month to grow, etc. This needs to be *a high school level* chemistry project.

<http://chemistry.about.com/library/weekly/aa121002a.htm>

<http://www.scienceproject.com/projects/index/Senior/chemistry.asp> (for examples of topics)

<http://www.all-science-fair-projects.com/category38.html>

\*\*\*\*Be prepared to tell me tomorrow at lab what your project will be on.\*\*\*\*

And bring test tomorrow. Remember – this is YOUR science project. Parents should not Help AT ALL. If you need parental help, please clear it with Mrs. Neely.

**Feb. 2 - Meet at \_\_\_\_\_, 1 p.m.** Do Exper. 11.1-11.4. Watch CD. Go over OYO, Examples, and test 10. Tell me the topic of your project.

Need: 250 ml beaker, 100 ml beaker, graduated cylinder, stirring rod, thermometer, mass scale, filter paper, funnel, cold carbonated soda, Drano, protective goggles or glasses.

Write lab summary.

**For lab on Feb. 16,** Need mass scale, 2 ltr. Bottle, 8 in. round balloon, vinegar, baking soda, seamstress' tape measure. Thermometer, weather report that contains atmospheric pressure.

Feb. 3 - Read/study p. 367-369. Do OYO, p. 369; correct. Study all Examples for chapter. Extra Review problems in Appen. B.

Feb. 4 – Read/study p. 369-373. Do OYO, p. 373; correct. Memorize all bold text and terms for chapter. Science Fair Project.

- Feb. 7 – Read/study p. 373-375. Do OYO, p. 375; correct. Study all OYO for chapter.
- Feb. 8 - Do Review Questions and practice problems on p. 381-82. Correct. Miss > 2, tell mom. Study well for test tomorrow.
- Feb. 9 - Module 11 Test. Give to mom. Science Fair Project. Bring to next lab.
- Feb. 10 - Correct test; give back to mom. Read/study p. 383-386. Memorize bold type on p. 384.
- Feb. 11 – Read/study p. 387-394. Do OYO, p. 394; correct. Memorize bold text p. 392.
- Feb. 14 – No Chemistry because we love you. ☺ Science Fair Project.
- Feb. 15 – Read/study p. 394-399. Do OYO, p. 399; correct. Memorize bold text p. 394,395,396,397. Read over Exper. 12.1 before coming tomorrow and bring test.

**Feb. 16** – Read Exper. Before coming. **Experiment 12.1, 1 p.m.** Watch CD, go over Examples, OYO, and test 11. Need Mass scale, 2 ltr. Bottle, 8 in. round balloon, vinegar, baking soda, seamstress' tape measure. Thermometer, weather report that contains atmospheric pressure.

**For Lab on March 9, need 2 Styrofoam cups, thermometer, vinegar, Lye.**  
Science Fair project.

- Feb. 17 – Read/study p. 399-402. Do OYO, p. 400,402; correct. Study terms and bold text for the chapter. Science Fair Project.
- Feb. 18 – Read/study p. 403-404. Do OYO, p. 404; correct. Study all OYO for chapter.
- Feb. 21 – School Holiday. Science Fair Project.
- Feb. 22 – Read/study p. 404-408. Do OYO, p. 408; correct. Study all Examples for chapter.
- Feb. 23 – Do Review questions and practice problems, p. 415-416; correct. Miss > 2, tell mom. Study well for test tomorrow.
- Feb. 24 – Module 12 Test. Give to mom. Bring to next lab.
- Feb. 25 – Correct test; give back to mom. Read/study p. 417-420. Do OYO p. 420; correct. Memorize bold text on p. 417. Science Fair Project.
- Feb. 28 – Read/study p. 420-428, making sure to work through and understand the Example. Do OYO p. 428; correct.
- Mar. 1 – Read/study p. 428-433, working through the example. Do OYO p. 433; correct. Science Fair project.
- Mar. 2 – Read/study p. 433-435. Do OYO p. 435; correct. Science Fair Project.
- Mar. 3 – Read/study p. 436-439. Do OYO p. 439; correct. Study all terms for chapter. Science Fair project.
- Mar. 4 – Read/study p. 439-443. Do OYO p. 443; correct. Memorize bold text on p. 441. Study all bold text for chapter. Science Fair Project – bring what you've completed so far to Sheri on Wednesday.
- Mar. 7 – Read/study p. 443-444. Do OYO p. 444; correct. Memorize bold text on p. 443. Study all OYO for chapter.
- Mar. 8 – Ready/study p. 444-449. Do OYO, p. 449; correct. Memorize bold text on p. 447. Study all Examples for chapter. Bring test tomorrow. Extra review problems in Appen. B.
- Mar. 9 – Lab at \_\_\_\_\_, 1 p.m. Bring Science Project things for me to see – what you've completed so far.** Go over test 12. Experiment 13.1, p. 421. Watch CD, go over OYO and examples. **Need 2 Styrofoam cups, thermometer, vinegar, Lye.**

**For April 13<sup>th</sup> lab, Need 3 - 2 ltr. Bottles, 4 small cups, 2 bowls taller than cups, a serrated knife, small Phillips head screwdriver, towels, 2 test tubes, 2 eyedroppers, 2 beakers, 2 small cups, clear ammonia, white vinegar, few leaves of red cabbage, crushed ice.**

- Mar. 10 – Do Review Questions and Practice Problems, p. 456-457; correct. Miss > 2, tell mom. Study well for test tomorrow.
- Mar. 11 – Module 13 Test; give to mom. Science Fair Project due next Friday the 18<sup>th</sup>. Bring to Next lab.
- Mar. 14 – Correct test; give back to mom. Read/study p. 459-464. Do OYO, p. 464; correct. Memorize bold text on p. 463.
- Mar. 15 – Read/study p. 464-468, working through the Example.
- Mar. 16 – Read/study p. 469-472. Do OYO p. 472; correct. Worked through the Example, right?
- Mar. 17 – Science Fair Project
- Mar. 18 – Science Fair Project – probably 6:30 p.m. at TRB.
- Mar. 21 – Read/study p. 472-475 (middle). Do OYO p. 473; correct. Review all terms and bold text. Extra review problems in Appen. B.
- Mar. 22 – Read/study p. 475-479. Do OYO p. 479; correct. Memorize bold text on p. 476-478. Review all Examples for chapter.
- Mar. 23 – Read/study p. 479-484. Do OYO p. 484; correct. Memorize bold text on p.480-481. Review all OYO for chapter.
- Mar. 24 – Do Practice Problems and Review Questions, p. 488-489; correct. Miss > 2, tell mom.
- Mar. 25 – Module 14 Test; give to mom. Bring to lab.
- Mar. 28 – April 1 – Spring Break
- Apr. 4 – Read/study p. 491-497. Do OYO p. 497; correct.
- Apr. 5 – Read/study p. 498-499. Do OYO p. 498-499; correct. Memorize bold text on p. 498.
- Apr. 6 – Read/study p. 499-501. Do OYO p. 501; correct. Memorize bold text on p. 500.
- Apr. 7 – Read/study p. 501-503. Do OYO p. 503; correct.
- Apr. 8 – Read/study p. 504-507. Do OYO p. 507; correct.
- Apr. 11 – Read/study p. 507-509. Do OYO p. 509; correct. Memorize bold text on p. 508.
- Apr. 12 – Read/study p. 510-513. Do OYO p. 513; correct. Memorize bold text on p. 510. Study All OYO for chapter. Bring 13 and 14 tests tomorrow.
- Apr. 13 – Lab at \_\_\_\_\_, 1 p.m.** Experiments 15.1 and 15.2. Watch CD, go over OYO and Examples. Go over tests 13 and 14. **Need 3 - 2 ltr. Bottles**, 4 small cups, 2 bowls taller than cups, a serrated knife, small Phillips head screwdriver, towels, 2 test tubes, 2 eyedroppers, 2 beakers, 2 small cups, **clear ammonia**, white vinegar, **few leaves of red cabbage**, crushed ice.
- Lab for Module 16** (Invisible Writing) will be done on your own if want. You'll need real lemon juice and iodine.
- Apr. 14 – Read/study p. 513-516. Do OYO p. 515; correct. Memorize bold text on p. 515. Study all terms, bold text for chapter. Extra review problems in Appen. B.
- Apr. 15 – Read/study p. 516-518. Do OYO p. 517; correct. Memorize bold text on p. 516. Study all Examples for chapter.
- Apr. 18 – Do Review Questions and Practice Problems p. 522-523; correct. Miss > 2, tell mom.
- Apr. 19 – Module 15 Test; give to mom.
- Apr. 20 – Read/study p. 525-527. Do OYO p. 527; correct. Memorize bold text on p. 526.
- Apr. 21 – Read/study p. 527-530. Do OYO p. 530; correct. Memorize bold text on p. 528 – Yes, you can!! Write down the steps on paper first which will help you get it in your brain, then start memorizing. If you can memorize commercials and songs, you can memorize chemistry!! ☺
- Apr. 22 – Read/study p. 531-532. Do OYO p. 532; correct. Keep memorizing bold text.
- Apr. 25 – Apr. 26 – Standardized Testing
- Apr. 27 – Read/study p. 533-534. Do OYO p. 534; correct. Review all terms and bold text.
- Apr. 28 – Read/study p. 534-539. Memorize bold text p. 535. Do Experiment if you want. Memorize bold text on p. 535. Review all Examples for chapter.
- Apr. 29 – Read/study p. 540-542. Do OYO p. 542; correct. Review all OYO for chapter.

