

Week 3

INFORMATION FOR THE WEEK OF Feb 5

Read/pre-lecture problems ahead: Chapter 2: 2.1-2.4, Chapter 7: 7.6, 7.7, 7.8.

Table 7.3 important for general properties of metals; Figure 7.15 is important for nomenclature. The general trends such as melting points, density, and size are important as well, because they give insight about the physical behavior of the elements.

Although the sections in Chapter 7 refer to s and p-orbitals and electrons, electron configurations, Ionization energy and electron affinities, topics which ARE NOT on the first exam, most of this section is relevant to exam material. These topics will be discussed in class later in the semester; periodic information is on Exam 1.

Lecture tab on my website: Please watch the lecture videos for JJ Thompson, Millikan oil drop, and Rutherford's experiment.

Tuesday, Feb 6

Lecture—Chapter 2: Atoms, Molecules, and Ions, chapter 7 (7.6-7.8)

Lab— Exp. 2: Density & Determine the density of an unknown metal or solution by graphing.

Thursday, Feb 8

Lecture— Chapter 2: Atoms, Molecules, and Ions-Nomenclature

Lab—We will do more graph(s) for density, work on problem solving, and give you time for 'How to use your calculator' (turned in during lab)-I will move the date of How to use your calculator part 2 to next week.

Handouts from the website I might use during lecture:

- I passed out CH 2-Development of atomic theory, CH 2 atomic math, CH 2 Periodic table- Please bring them to class as we will be working on them.
- Isotopic and atomic weight
- Evaluate a purpose
- Please look at the handouts about nomenclature. We will cover nomenclature this week, however, it is not on Exam 1 (2/20). You will want to do a little nomenclature everyday.

The following assignments are due this week- See calendar on Canvas for actual dates. I list assignments here, but the calendar on canvas has the most up to date list.

Lab: Graphing- Graphing Gay : Lussac Data-Please read the Canvas assignment for the criteria for turning in the graph.

Mastering: Posted on Canvas

Canvas: Web assignment, Show ID sticker (you still have time for this, so it is not late-also it is extra credit), Safety quiz, Scavenger Hunt (extra credit), Syllabus quiz, Evaluating a purpose, Sizes and units,

The following assignments are past due.

- Receipt for syllabus.
- Exp. 1-Use of equipment, significant figures
- These are extra credit, you can still do them. If you have not yet, please email me on Canvas and I will help you
 - Your ID
 - Change your email so I can reach you.

Additional announcements

Remember, my office hours have been changed

- My office hours have changed:
 - Tuesday and Thursday: 4:30-6:30 A236
 - Wednesday: Tower 7th floor 4:00-5:00, I leave sharply at 5.
 - Friday: Tower 7th floor 10:30-11:30. I leave sharply at 11:30 for meetings. If there are any changes in the location, I will send an email through Canvas.

THE EXAM IS THREE WEEKS AWAY. START WORKING ON THE PRACTICE EXAMS AND INTEGRATIVE PROBLEMS. DO UNASSIGNED PROBLEMS IN THE HOMEWORK. (Yes, I am yelling at you!!! But not in a mean way; I want you to be successful)

The more problems you do, the more comfortable you will be with the material; this will reduce your test anxiety.