

GENERAL EXAM PROCEDURES

BRING PENCIL and CALCULATOR

Maybe even 2 pencils - with erasers. You must provide your own calculator. We do not provide calculators. We DO provide you with an exam and an answer sheet and any scratch paper necessary.

Exam is from 11AM to 12:15 PM

If you show up too late you will not be allowed to take the exam. Make sure you have all your answers BUBBLED IN by 12:15. We will give you plenty of warnings. Do NOT continue working on the exam after time is called. Bubbling ANYTHING after time is called is a violation of the exam rules. Have your UT ID Card ready to show when you turn in your exam.

GO TO THE RIGHT ROOM!!!

We must split the class into 2 sections. We do this via the first letter of your last name. Here is the split:

A-M go to WEL 2.224

N-Z go to HMA

HMA is Hogg Memorial Auditorium which is over next to the Student Union. Go to the right room and take a seat. Make sure you SKIP a seat between each student.

Bubble In Vital Information

Each bubblesheet has places for you to enter your name, your UTEID, and your version number of your exam. The first two you already know, and you'll know your version number as soon as you receive your exam. You're in college now READ the top of the exam.

Which Chapter/Sections are covered?

Chapter 1, sections 1 through 12. All the material covered on homeworks 1 and 2. Yes, some material from those sections did not get put in a homework assignment. Concentrate on the subject matter I emphasized in class and on the homeworks. Come in mentally prepared to answer at least 25 questions, maybe a few more. Yes, there will be calculations, but most of the exam will be theory and concepts from Chapter 1.

Definition of Terms

The book is full of terms. These are typically in boldface type and their definitions follow with highlighting. Know these terms. These should be easy multiple choice type questions.

Major Components of Air

Know this. The books really lets you know the major components. Know what they are and their relative amounts in dry air.

The BIG FOUR Major Pollutants in Air

We discussed these 4 major pollutants. Also add in the 2 types of particulate matter.

Calculations

Know basic calculations.

How to calculate percentage.

How to calculate ppm.

How to calculate a conversion problem.

It will be VERY helpful to know the conversions that I asked you to memorize. Refer to the blue background conversion factors off the Conversion Factor help page on our web site. Also know those metric prefixes that are there.

Atmosphere

Know the major parts (zones) of the atmosphere.

Classification of Matter

Know how to classify various substances as elements, or compounds, or even as mixtures.

Periodic Table

Your bubblesheet has a Periodic Table on the back of it. There are also some conversion factors there. Know where the basic classes are: metals, nonmetals, and metalloids. Also, the Noble gases. Know some general properties of metals vs nonmetals (we discussed this in class).

Nomenclature

Know those symbols and elements I asked you to know (see "Elements and their Symbols" on our web site help sheet page). Know how to NAME simple binary ionic compounds (Your Turn 1.18 and 1.19). Be able to identify the cation and anion. Be able to name simple binary covalent (molecular) compounds (Your Turn 1.21 and 1.22).

Combustion

What is combustion? How do we depict it in a chemical reaction? Make sure you can BALANCE a chemical reaction - especially combustions. Almost ALL the reactions from page 33 to 39 are combustions.

Direct vs Secondary Sources

Basically this is sections 1.11 and 1.12.

Don't Memorize DATA

Remember I do not expect you to memorize data from the tables in the book. Data are the numbers associated with various tables and charts. Only know the stuff that is a MAJOR CONCEPT (see Major Components of Air).

Standard Disclaimer

Any mistakes on this review sheet are NOT intentional. You should crosscheck all stated information. You should double check your book too (see errata if necessary).