

Introduction to UCONN/AP Chemistry and SUMMER ASSIGNMENT

This packet contains the following information. Please review this packet and sign the follow statement acknowledging that you have received the information and understand the summer assignment and course policies.

- Summer Assignment Sheet**
- List of Common Ions**
- Homework and Test Policies**
- Grading Policies**
- Honor Code**

"I have received the above information and I understand the summer assignment and course policies. In addition, I fully understand the Honor Code used in this course and agree to abide by it, and I fully realize that in this course, assignments are not accepted late."

Name: _____ Date: _____

Textbook Number*: _____

**Please protect your textbook with a cover. DO NOT WRITE/HIGHLIGHT OR MARK THE TEXTBOOK IN ANY WAY, OTHER THAN WRITING YOUR NAME IN INSIDE THE FRONT COVER. IF the book is lost or damaged, you must pay the replacement cost of \$174.00.*

University of Connecticut Early College Experience Chemistry
Summer Assignment

This assignment is due on the first day of school. Assignments will not be accepted late. No exceptions.

- A. Read & study CHAPTER 1.
- B. *On a separate sheet of paper, complete the problems for Chapter 1 located below. (NOTE: Your solutions to the problems marked with an "*" must show all of your work in a neat, orderly, well-labeled fashion, draw a box around each answer, and must represent proper use of significant figures in your answers or NO CREDIT will be given for the problem.)
- C. Read & study CHAPTER 2.
- D. *On a separate sheet of paper, complete the problems for Chapter 2 located below. Follow the same expectations as stated above in section B.
- E. Study & memorize the attached list of Common Ions. You will be given a 10 minute quiz on this chart at "The beginning of our first class meeting." The quiz will be graded as "-10 for each error". Details such as ionic charges, subscripts, and spelling count.

Each Chapter Homework Assignment must be completed as separate assignments, i.e. do not put both sets (Chapter 1 and Chapter 2) of problems on the same sheets of paper.

CHAPTER 1 PROBLEMS

13, 19, 27, *35, *43, *47, *51, *57

CHAPTER 2 PROBLEMS

9, 15, *27, *33, 41, 47, 51, 55, 59, 63

*Must show all calculations.

COMMON IONS

Acetate	$\text{C}_2\text{H}_3\text{O}_2^-$	Iodide	I^-
Aluminum	Al^{+3}	Iron (II)	Fe^{+2}
Ammonium	NH_4^+	Iron (III)	Fe^{+3}
Barium	Ba^{+2}	Lead (II)	Pb^{+2}
Bicarbonate or Hydrogen carbonate	HCO_3^-	Lead (IV)	Pb^{+4}
Bismuth	Bi^{+3}	Lithium	Li^+
Bisulfate or Hydrogen sulfate	HSO_4^-	Magnesium	Mg^{+2}
Bromate	BrO_3^-	Manganese (II)	Mn^{+2}
Bromide	Br^-	Manganese (III)	Mn^{+3}
Cadmium	Cd^{+2}	Mercury (I)	Hg_2^{+2}
Calcium	Ca^{+2}	Mercury (II)	Hg^{+2}
Carbide	C^{-4}	Monohydrogen phosphate	HPO_4^{-2}
Carbonate	CO_3^{-2}	Nickel (II)	Ni^{+2}
Cesium	Cs^+	Nitrate	NO_3^-
Chlorate	ClO_3^-	Nitride	N^{-3}
Chloride	Cl^-	Nitrite	NO_2^-
Chlorite	ClO_2^-	Oxalate	$\text{C}_2\text{O}_4^{-2}$
Chromate	CrO_4^{-2}	Oxide	O^{-2}
Chromium (II)	Cr^{+2}	Perchlorate	ClO_4^-
Chromium (III)	Cr^{+3}	Permanganate	MnO_4^-
Cobalt (II)	Co^{+2}	Peroxide	O_2^{-2}
Cobalt (III)	Co^{+3}	Phosphate	PO_4^{-3}
Copper (I)	Cu^+	Phosphide	P^{-3}
Copper (II)	Cu^{+2}	Potassium	K^+
Cyanide	CN^-	Silicate	SiO_3^{-2}
Dichromate	$\text{Cr}_2\text{O}_7^{-2}$	Silver	Ag^+
Dihydrogen phosphate	H_2PO_4^-	Sodium	Na^+
Fluoride	F^-	Strontium	Sr^{+2}
Hydride	H^-	Sulfate	SO_4^{-2}
Hydrogen	H^+	Sulfide	S^{-2}
Hydroxide	OH^-	Sulfite	SO_3^{-2}
Hypochlorite	ClO^-	Thiocyanate	SCN^-
Iodate	IO_3^-	Tin (II)	Sn^{+2}
		Tin (IV)	Sn^{+4}
		Zinc	Zn^{+2}

UCONN/AP Chemistry: Homework/Lab Report Policy

1. All assignments will be neat, orderly, and properly labeled by my standards.
2. No crossing-out, white-out, etc. Carefully use an eraser.
3. All problems must be completed in a logical, sequential format. If I cannot follow the work, then it will be marked wrong.
4. If I cannot read what you wrote, it will be marked wrong.
5. All work/problems must be done in order.
6. No homework assignment/lab report will be accepted late. **HOMEWORK AND LAB REPORTS WILL NOT BE ACCEPTED LATE.**
7. During all laboratory periods, failure to follow all laboratory safety rules will result in a non-removable lab grade for the experiment being performed of "0" (zero), removal from the laboratory, and submission of an administrative referral.
8. All "7 a.m. labs" require that YOU ARE THERE FOR 7 a.m.

Test Policy

1. Do not start a test if you do not feel well and may not finish. Once started, it will be collected and corrected, as is.
2. Only a "scientific calculator" may be used for all tests. You must supply your own calculator. No "sharing" of calculators is allowed. No "graphing calculators" are allowed. Failure to use the proper calculator results in a final grade of "0" for the test. Your calculator should have both the "ln" and "e^x" keys. So that you do not violate any of the calculator standards, I will "approve" your calculator during the first week of classes.
3. There are NO MAKEUPS on the UConn-provided exams. If you miss a UConn exam, they will "double-count" that portion of the UCONN FINAL EXAM that refers to the exam(s) you missed.
4. UNDER NO CIRCUMSTANCE WILL ANY OTHER ELECTRICAL DEVICE (cell phone, pager, ipod, etc) be visible to me during a quiz, test, or exam. I see it or I hear it, and your grade is a "0".....no questions asked, no excuse accepted. Word of advice: "Leave such items in your locker on a quiz/test/exam days."
5. ABSENCE ON THE DAY OF A TEST OR QUIZ
 - (a) E-mail me as soon as possible if you miss a test or quiz due to being absent or arriving late to school.
 - (b) On the day you return to school, see me to schedule a make-up.
 - (c) If you were only absent for one day, you must make up the quiz or test within 1 day of your return. If you cannot schedule the make-up during your free periods or after school, you will take it during our class. It will then be your responsibility to get the notes and make up the work you miss.
 - (d) If, for any reason, you believe you are unable to take a test or quiz as scheduled, you must notify me as early as possible, but before class. Examples include a scheduled appointment or upcoming field trip.

University of Connecticut Early College Experience Chemistry Grading

In an attempt to be as fair as possible to any high school student enrolled in a college level course, you will be given two separate grades for this course.

Your HIGH SCHOOL grade:

As with any other full-year course, you will receive a trimester grade which will appear on your report card and which will be treated as any other high school report card grade. The following percentages will be used to determine each trimester grade.

1st Trimester

UConn Exam I CH. 1 – 3	15%
UConn Exam II CH. 4 – 5	15%
Labs	15%
Chapter Tests	21%
Homework, Homework Quizzes, And Lab Quizzes	15%
My 1 st Trimester Final Exam	19%

2nd Trimester

UConn Exam III CH. 6 – 8	15%
UConn Exam IV CH. 10 – 12	15%
Labs	15%
Chapter Tests	12%
Homework, Homework Quizzes, And Lab Quizzes	8%
UConn 1 st Semester Exam	20%
My 2 nd Trimester Final Exam	15%

3rd Trimester

UConn Exam IV CH. 10 – 12*	10%
UConn Exam V CH. 13 – 15	10%
UConn Exam VI CH. 16 – 18	10%
Labs	15%
Chapter Tests	12%
Homework, Homework Quizzes, And Lab Quizzes	8%
UConn 2 nd Semester Exam	20%
My 3 rd Trimester Exam	15%

Determination of student's final high school grade for course = Average of all three trimester grades.

*only if not given during trimester 2

UCONN GRADE (this is the grade that is sent to UConn and which *they use* to determine whether or not to award you college credit. You must achieve a final letter grade of “C” or better in order to earn the university 4 credits. In addition, you must achieve a final letter grade of “C” or better in 1127Q in order to be eligible for the 4 university credits for 1128Q.)

1st Semester Grade(1127Q)

UConn Exam I CH. 1 – 3	150 points
UConn Exam II CH. 4 – 5	150 points
UConn Exam III CH. 6 – 8	150 points
Labs	100 points
Homework and Quizzes	100 points
OWL Online Homework	100 points
<u>1st Semester UConn Final Exam</u>	<u>250 points</u>
	1000 total points

2nd Semester Grade(1128Q)

UConn Exam IV CH. 10 – 12	150 points
UConn Exam V CH. 13 – 15	150 points
UConn Exam VI CH. 16 – 18	150 points
Labs	100 points
Homework and Quizzes	100 points
OWL Online Homework	100 points
<u>UConn 2nd Semester Final Exam</u>	<u>250 points</u>
	1000 total points

REMINDER: In college, your SEMESTER GRADE is the final grade for that portion of the course. In other words, during the year you will be taking Chem 1127Q (Fall semester) and Chem 1128Q (Spring semester) and will have recorded by their Registrar of Grades TWO final grades.

HONOR CODE

E.C.E./AP CHEMISTRY HONOR CODE

I understand that ALL graded homework assignments and lab reports are to be COMPLETED SOLELY by myself with NO ASSISTANCE neither given *by* another person nor given *to* another person. This includes *verbal*, *written*, or *visual* assistance of any type/form. Furthermore, no unauthorized aid maybe given on quizzes and tests. This includes discussing specific quiz/test questions with students who have yet to take the quiz/test. Any violation of this Honor Code will result in:

1. A grade of zero (0) being assigned for the assignment in question.
2. Submission of a *Student Referral* to the high school administration.
3. Reporting of the cheating incident to the Director of the Chemistry *Early College Experience* at the University of Connecticut which may, at their behest, lead to a FAILING COLLEGE GRADE for the course at the university.

