**Final Exam Info**

**What is Different from Previous Exams**

**Location:** 101 Bradley  
**Cheat Sheet:** Both sides of the page  
**Time:** 8 AM!  
**Length of exam:** 2 hours, 150–200 points total

**When and Where**

The final will take place on Thursday 12/6 from 8-10 a.m. in 101 Bradley. Up to one hour of extra time will be allowed to complete the exam. Please be on time.

**Reading and Assigned Problems**

The final exam in cumulative, including all material covered in Chem 5. This includes the following sections of the textbook:

- Chapter 1, Chapter 2, Chapter 6 (6.1-6.3).
- Chapter 3 (3.1-3.5, 3.7, excluding p. 63-64)
- Chapter 4 (4.1-4.5), Chapter 5 (5.4)
- Chapter 7 (7.1–7.3, 7.5), Chapter 8 (8.1–8.3, 8.5–8.7)
- Chapter 9 (9.1-9.4), Chapter 10 (10.1–10.7)
- Chapter 11 (11.3–11.6), Chapter 12 (12.1–12.4, parts of 12.5 and 12.6)

It also includes the following assigned problems in the textbook:

- Chapter 1: 1, 2, 15, 17, 21, 22, 23, 25, 27, 29, 31, 33, 34, 35, 36, 37, 41, 43, 45, 46, 47
- Chapter 2: 1, 3, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 41, 46, 48, 49, 51, 52
- Chapter 3: 1, 3, 4, 5, 7, 15, 17, 23, 25, 27, 28, 29, 31, 33, 35, 37, 67
- Chapter 4: 5, 7, 11, 13, 17, 21, 23, 25, 27, 29, 31, 35, 39, 41, 43, 67, 69, 83
- Chapter 5: 33, 35, 37
- Chapter 6: 1, 3, 9, 11, 13, 15, 17, 19, 25
- Chapter 7: 3, 4, 11, 23, 27, 31, 33, 35, 37, 39, 41, 61, 75
- Chapter 7: 3, 4, 11, 23, 27, 31, 33, 35, 37, 39, 41, 61, 75
- Chapter 8: 5, 9, 13, 23, 27, 29, 31, 35, 37, 53, 55, 57
- Chapter 9: 1, 5, 7, 9, 10, 11, 17, 19, 21, 23, 25, 27, 33, 35, 37, 39, 41, 45, 63
- Chapter 11: 23, 25, 29, 31, 33, 35, 37, 39, 41, 43, 45, 49, 51, 52
- Chapter 12: 1, 3, 5, 9, 21, 25, 27, 35, 41, 61, 81.

**Notes on material included**

The final will include material covered in class after Exam 3 in a comprehensive way. All earlier topics in Chem 5 will be fair game for the final exam, but time constraints will limit coverage of earlier material. While there may not be a long problem on every topic in Chem 5, there is likely to be a conceptual, multiple-choice question on every topic. There are likely to be questions that ask you to relate concepts from different parts of the course to problems on later material.
To Review
Your class notes, textbook, and book problems are all good sources of review material. In-class demonstrations can illustrate both a concept and a quantitative problem, so are particularly important to review. In addition, you should review the lab manual, your lab reports, and the prelab problems to relate your laboratory results and calculations to the concepts and problems covered in the lecture portion of the course. Finally, you can review the "Problem of the Week" handouts, the in-class problems, and previous year's exams. These last things are all available on the course website.

Bring to Exam Room
You will need a calculator, pencils, and eraser. You will be allowed to bring a single 8½ x 11 piece of paper, written on BOTH sides with whatever you choose to write on it. It is a good idea to bring an extra battery for your calculator and a pencil sharpener. A periodic table, equation sheet, and tables of thermodynamic data and equilibrium constants will be supplied with the exam.

Web Info and Reserve Materials
The website, at http://www.dartmouth.edu/~genchem/0102/fall/5hair/index.html, has PDF versions of class handouts for demonstrations, problem of the week, and problems done as part of lecture. In addition there are exams from last year and answer keys. All of these resources are helpful study aids. There are also useful materials on reserve in Kresge Library. These include other textbooks and solutions manuals that might be helpful to you.

Special Arrangements
You may make arrangements to take the final at times other than that scheduled by the Registrar for reasons of illness, emergency, or exam conflict. Please make your arrangements as soon as possible.

Grading and Return of Exams
Extraordinary efforts will be made to be certain that the grading of the final exam is fair and accurate. Final exams can be picked up outside the back door off 006 Steele at the beginning of Winter Term.