

## Study Advice for Chemistry Hourly Exams and Final Exam

The study methods below are provided in order of decreasing expected effectiveness (best methods first to poorest last). For the exams, including the final exam, practice solving a variety of chemistry questions asked in different ways. Do practice problems in random order. Practicing regularly and often works better than marathon study sessions. For many, working in groups works better than studying alone. To improve learning in class, you should read the material, complete the homework, and complete the quiz before class. Combinations of methods work better than single methods.

- 1) Practice all the in-chapter problems and problems at the back of the chapter in your textbook for the assigned reading, especially any questions related to the assigned ones.
- 2) Practice the exams on the website (may not be enough coverage).
- 3) Practice the related laboratory assignments and quizzes (not enough coverage of question types). Sometimes the lab occurs after the lecture or exam, but work the pre-lab exercises in advance.
- 4) Practice the class quizzes.
- 5) Practice the assigned homework problems in the text.
- 6) Practice the problems on the hourly exams.
- 7) Attend class and take notes (this is too passive for most to learn chemistry). You will learn more if you read the material and worked the problems beforehand.