

## **CHEM 210 Placement Exam**

The purpose of this placement exam is to make sure that the student's background in Chemistry and math is adequate for the student to succeed in CHEM 210. The exam evaluates the student's general math and algebra skills as well as the student's overall knowledge of some basic Chemistry concepts. The exam consists of 60 multiple choice questions which the student answers in 55 minutes. The student is permitted to use a non-programmable calculator.

The exam consists of 20 math questions and 40 Chemistry questions. The math questions cover math skills up to and including college level algebra. The Chemistry questions cover material including these major topics: measurements, elements, ions, compounds, the periodic table, writing Chemical formulas and equations, Chemical reactions, states of matter, pressure/volume/temperature relationships, quantum theory, ionic and covalent bonding, solutions, acids and bases, and thermodynamics.

The exam is in multiple-choice format. However, with such exams, the student should be able to work out the problem just as if there were no answers given. Then, match up the answer the student obtained with one of the choices. It is not in the student's best interest to start out by looking at the choices and guessing which one looks best.

If the student wishes to study and prepare for the exam, we advise the student to use their high-school chemistry textbook (or any such text) -- the exam is written at a high school level.