

6: Quiz 1

The following is a list of review items that you should know well before taking the first quiz. If you are not prepared to be tested on these items, don't take the quiz until you are. The quizzes are located in an envelope in your lab set. Each quiz is contained on a separate page. You will be allowed to use your calculator on all quizzes.

- 1) Know the list of common elements and symbols tabulated in Lesson 2.
- 2) Know how to express measurements and calculated values in the correct number of significant digits and in scientific notation. Know how to tell whether or not zeros are significant. From this day forward, all of your answers to exercises and quiz answers should be reported in the correct precision (i.e., with the correct number of significant digits).
- 3) Be able to convert among the three temperature scales—Fahrenheit, Celsius and Kelvin. The formulas will not be provided for you. You should know them by heart (or at least by brain).
- 4) Be able to carry out calculations using the unit factor system.
- 5) Know how to compute densities and how to use density as a unit factor in calculations.
- 6) Always learn anything in bold or italic typeface and anything in purple type. Don't just memorize the words, rules and definitions, but understand the meanings as well.

The future of chemistry is depending on you. Don't disappoint the entire world! (No pressure.)



Gratuitous cat photo to make you think that chemistry is a cute, warm and fuzzy subject.