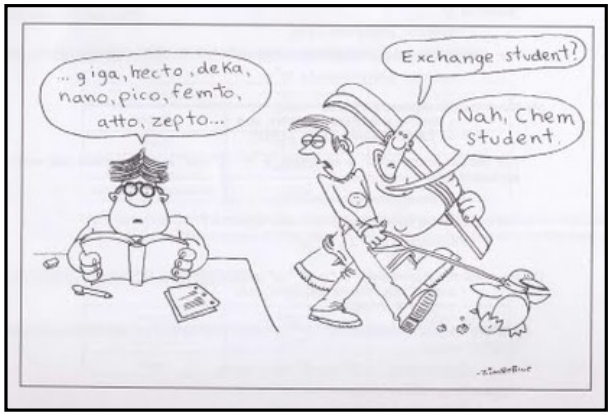
Chemistry Honors
Chapter 3 Study Guide – Scientific Measurement
Chapter 3 – sections 3.1, 3.2, and 3.4

Vocabulary – Term Maps – DUE: Wednesday, Sept. 17, 2014

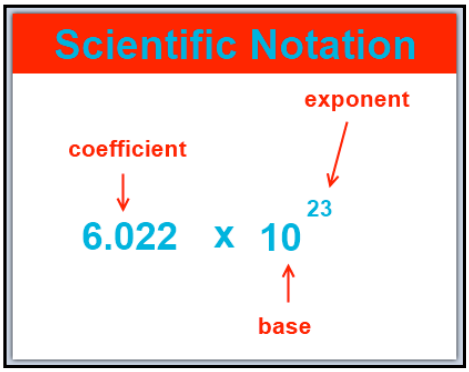
accuracy	density
precision	International System of Units
derived unit	measurement
accepted value	Absolute zero
Celsius scale	scientific notation
error	significant figures
experimental value	Kelvin scale



Concepts

I am able to

- distinguish between accuracy and precision
- determine the number of significant figures in a measurement and in a calculated answer
- use significant figures to accurately report numbers
- identify the five common SI base units
- identify the six common SI prefixes



Calculations

I am able to

- convert measurements to scientific notation
- calculate percent error
- convert between metric units
- calculate density
- use density to calculate volume or mass
- convert between the Celsius and Kelvin temperature scales

Reading Assignment

pp. 63 – 79
pp. 89 – 93

Homework – due Monday, September 22, 2014

p. 72 #9 – 15
p. 79 #18 – 21 and 26
p. 93 #50 – 52, 55, and 56
p. 96 #57 – 62, 64, 66, 74, and 76

Format:

Title	Name
Ques. 1	Ans. 1
Ques. 2	Ans. 2
Ques. 3	Ans. 3

Chapter 3 Test – Wednesday, September 24, 2014