I CAN IDENTIFY THE CORRECT NUMBER OF SIGNIFICANT FIGURES

I CAN EXPRESS STANDARD NUMBERS IN SCIENTIFIC NOTATION

Chemistry A Bell Ringer
8/14/2014

1. What is the element symbol for carbon?
2. What is the element symbol for sodium?
3. What is the name for this element O?
4. What is the name for this element Ca?

Chemistry A Bell Ringer
8/15/2014

Write the following in scientific notation:
1. 6789
2. 0.000987
3. 12.8
4. 0.09

Write the following in standard notation:
1. 2.4×10^4
2. 3.76×10^{-3}
3. 5.9×10^6
4. 9.9×10^{-1}

I CAN CONVERT MEASUREMENTS USING THE METRIC SYSTEM

Chemistry A Bell Ringer 8/18/2014

Identify how many significant figures are in the following numbers:

1. 9.800
2. 0.009
3. 4.135
4. 50
5. 40.0
6. 504
7. 0.00000018

**I CAN SOLVE DIMENSIONAL ANALYSIS PROBLEMS
USING THE METRIC SYSTEM**
Chemistry A Bell Ringer 8/19/14

Solve the following problems using dimensional analysis
(picket fence method). You must show your work!!

1. How many hours are in two weeks?
2. How many days are in 2,000 minutes?
3. How many grams are in 500 kilograms?

I CAN WRITE NUMBERS WITH THE APPROPRIATE
NUMBER OF SIGNIFICANT FIGURES.
Chemistry A Bell Ringer 8/20/14

1. Convert the following measurements:
   3.4   gram→ kg
   27 meter→ mm

2. How many significant figures are in each of the following numbers?
   63528000
   0.03
   21.08
   3.00

I CAN CALCULATE DENSITY
I CAN SOLVE FOR MASS AND VOLUME USING THE DENSITY FORMULA

Chemistry A Bell Ringer 8/21/14

1. What is the formula for density?
2. Spend the rest of the time studying for your quiz!!
(Hint: study your metric units for length, time, mass and volume. Study your metric prefixes, what does kilo, centi and milli mean? Study how to do conversions)

I CAN IDENTIFY A CHEMICAL AND PHYSICAL PROPERTY.
I CAN IDENTIFY A CHEMICAL AND PHYSICAL CHANGE.
Chemistry A: Bell Ringer 8/22/2014

1. What formula would you use to calculate volume?
2. What formula would you use to calculate mass?
3. Solve the following density problem:
    a. You have a sample that weighs 1.4 kg and the volume was found to be 2,000 milliliters. Show your work (given, unknown, formula and solution) and solve for density. (Hint: check your units!!)

I CAN IDENTIFY PHYSICAL AND CHEMICAL PROPERTIES AND PHYSICAL AND CHEMICAL CHANGES.

Chemistry A: Bell Ringer 8/25/2014

1. List 5 physical properties about your pencil.
2. What is something you could do to your pencil to make it undergo a *physical change*?
3. What is something you could do to your pencil to make it undergo a *chemical change*?