Name _____

Honors Chemistry Summer Assignment

Welcome to Honors Chemistry!!!!!!

PLEASE READ THIS WHOLE PAGE BEFORE YOU START.

During the course of the year we will be focusing on many topics dealing with significant figures, scientific notation and unit conversions using dimensional analysis.

Each of the three topics has a "notes" page that explains how to do the problems. There are examples along with written explanations.

1. **Significant figures.** Ever do a math problem and get a really long answer and wonder should I round it? Well, significant figures tells you how to round off your answers. You **do not** have to show work on the one sig fig worksheet.

2. **Scientific Notation**. Read the directions and complete the 2 worksheets. You **do not** have to show work but your answer **MUST** have the same number of sig figs as the original number (the $\times 10^{\text{exponent}}$ is not included in rounding for significant figures).

3. **Dimensional Analysis**. After reading the first page, you should be able to complete the worksheets. In order to get full credit, you must use the method described, you must round off your answer to the correct number of sig figs and you must label your answer with the correct unit. (We will use this method with chemistry terms all year so it is really important you learn it first with units you are familiar with…)

Answers to Frequently Asked Questions.

This assignment will be due the first day of school. (start the year off right…. Have it done)

It will be your first grade of the first marking period. (so do a good job 😊)

It will be a test grade. (it should be worth something since you are taking time away from your summer to do it)

If you have any questions, you can email me at kscott@nazarehtacademyhs.org.

And lastly…. And most importantly…. This is HONORS CHEMISTRY. You are expected to do this work independently. You get out of it what you put into it.

We are going to have a great year and I look forward to working with you this fall. Enjoy your summer!

I _____ agree to do this assignment independently and that the work that is turned in is my own.