

**NOTE: Failure to put the Units in, Failure to show all math work, Failure to properly round = -PTS**

**YOUR NAME (Please Print):** \_\_\_\_\_

**1. (3 pts, 1 pt ea)**

Your start time on this test \_\_\_\_\_

Your finish time on this test: \_\_\_\_\_

Time it took you to do this test: \_\_\_\_\_

**2. (50 pts, 5 pts ea) Fill in the Blanks**

2.1 Chemistry is a science that deals with materials of the universe and \_\_\_\_\_ (1 word)

2.2 What are the three steps to the Scientific Approach \_\_\_\_\_

2.3 \_\_\_\_\_

2.4 \_\_\_\_\_

2.5 A Measurement ALWAYS contains \_\_\_\_\_

2.6 \_\_\_\_\_ and \_\_\_\_\_

2.7 How many rules are there for determining the number of Significant Figures and what are they:

# = \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

2.8 Ice melting is a \_\_\_\_\_ Property

2.9 Iron rusting is a \_\_\_\_\_ Change

2.10 A McDonalds Cheeseburger is a Homo or Heterogeneous Mixture?

**3. (12 pts, 4 pts ea) Solve the following – put your answer in Scientific Notation:**

3.1.  $1.1234 \text{ mm} \times 2.000 \text{ mm} =$  \_\_\_\_\_

3.2.  $0.0001234 \text{ dollars} =$  \_\_\_\_\_

3.3.  $00.0012345 \text{ cm}$  to 2 significant digits \_\_\_\_\_

**4. (20 pts, 5 points ea) For the following math manipulations, perform the math calculation:**

$$\begin{array}{r} 1234.567 \text{ mm} \\ 12.3 \text{ mm} \\ + 1.000 \text{ mm} \\ \hline \end{array}$$

$$\begin{array}{r} 135.79 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 135.79 \\ \times 2.0 \\ \hline \end{array}$$

$$\begin{array}{r} 135.79 \\ \times 2.00 \\ \hline \end{array}$$

**5. (10 pts, 10 pts ea) Perform the following conversions.**

5.1.  $100 \text{ Deg K}$  to  $\text{Deg F}$

**6.0 (10 pts total, 10 pts ea) Perform the following conversions**

6.1. 55 Km to inch

Summary:

Section	# of Quest	Pts Ea	Max Total Pts	Total Pts
1 Time	1	1	3	
2 Fill In Blanks	10	5	50	
3 Sci Not	3	4	12	
4 Math	4	5	20	
5 Temp Conv	1	10	10	
6. Conversion	1	10	10	
<b>Total</b>			<b>102 pts</b>	

**7. How do you rate this test from 1 to 10**

1 = Very Easy, can do it with my eyes closed

10= Very Very Difficult, could not do any of the problems

\_\_\_\_\_