

NO CREDIT IF YOU: Fail to put in the Units & Properly Round, Fail to show ALL math work

Max Grade: 102 points

PRINT NAME ON LINE _____

CHECK CORRECT BOX OR LOOSE 20 PTS

(1 pt) Test End time _____

Wed Afternoon Lab

(1 pt) Test Start time _____

Wed Evening Lab

Test Elapsed time _____

A. Answer the Following (4 Points each = 40 pts)

1. What is Chemistry?

2. What are the steps in the Scientific Method?

3. What is a measurement?

4. What is Scientific Notation?

Fill in the blanks

Physical Quantity

SI Unit Name

English Unit Name

5. Mass

6. Length

7. Time

8. Temperature

9. How many ml is in one Liter?

10. How many milligrams is in one gram?

B. Perform the following Calculations [Show All Math] (6 pts ea = 60 pts)

1. I am 5 feet 8.5 inches tall. My date, who's from Ireland, is 162.6 cm. Who is taller and by how much [in inches]?

2. I weigh 178.4 lbs. My Irish date weighs 52.2 kilograms fully dressed. Who weighs more and by how much [in lbs]?

3. I go to the store to get a bottle of Rum. The bottle size is 750. ml. How many gallons is this?

4. The temperature outside is 260. °K. Is this cold or warm? What is this temperature in °F?

5.
$$\begin{array}{r} 1234.567 \\ 123.45 \\ \underline{12.345} \end{array}$$

$$\begin{array}{r} 3000.00 \\ \underline{\times 2.00} \end{array}$$

$$\begin{array}{r} 5000.0 \\ \underline{\times 2} \end{array}$$

6. 999.99 feet x 3.0 lb =

DID YOU CHECK FOR SIGNIFICANT DIGITS

_____ Yes _____ No

DID YOU CHECK FOR PROPER UNITS

_____ Yes _____ No

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

