

College Prep Chemistry of the Earth System

Assignment 1L

20 Points

Answer the following questions with complete definitions and/or answers. For problems, No Work = No Credit!

1. Define the following terms based on the definitions given in the Unit 1 Notes
 - a. Scientific Method
 - b. Hypothesis
 - c. Theory/Law
 - d. Measurement
 - e. Accuracy
 - f. Precision
 - g. Certain and Uncertain Digits
 - h. Density

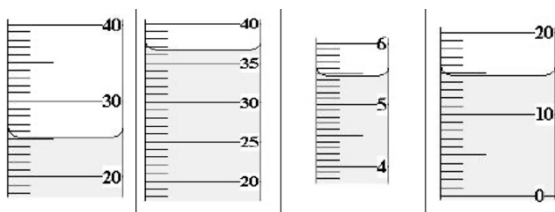
2. Perform the following operations rounding to the correct number of places after the decimal

Re: Add/Subt – Least # after decimal

Mult/Div – 2 places after decimal

- a. $49.30\text{m} + 15.4\text{m}$
 - b. $193.5\text{g} - 28\text{g}$
 - c. $392.44\text{m} \cdot 19.3\text{m}$
 - d. $49.2\text{m} / 1.93\text{s}$
3. Define the following terms for the measurements below:
Quantity, Unit, Label
 - a. 49.2m football field
 - b. 9.28mL water
 - c. 4.20g/mL solid sphere
 - d. 8.20mi/hr speed limit

4. Complete the following measurements



1

2

3

4

- a. Beaker 1
- b. Beaker 2
- c. Beaker 3
- d. Beaker 4