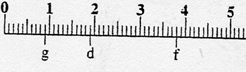
|  |  |  |
| --- | --- | --- |
| Review #1  EHS Cλ3MIs+rγ  Mr. Genest |  | Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Tutors! Adults! Help this young chemist by visiting **http:genest.weebly.com** with any smart phone |

* Our first big test is this Thursday, September 24, 2015
* For a **complete** review, go re-do old homework and notes from Sept 2 to Sept 21.

1. Write the measurement for each letter. *Always make the last digit zero when the hairline hits the mark dead center*.

 G \_\_\_\_\_\_ D\_\_\_\_\_\_\_\_ F\_\_\_\_\_\_\_\_

|  |  |  |  |
| --- | --- | --- | --- |
| 1. Answer questions   for these lines. **Line A**  **has been done below for you**  **as an example**. | |  | |
| For Line A   * Calculate the slope   of Line A     * Write a “For every…” sentence. | | 1. For Line B  * Calculate the slope of Line B * Write a “For every…” sentence. | | 1. For Line C  * Calculate the slope of Line B * Write a “For every…” sentence. |

1. What is the answer, to the correct number of significant figures of each
   1. 83 x 0.7 =
   2. 83 + 0.7 =
2. The Law of Conservation of Mass says that \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

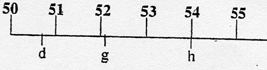
**IMPORTANT** In problems #7 - #9, pay special attentionto have the number of particles in the microscopic before and after explain the weight change that is described in each case.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1. Bending a straight wire into a 90° angle [Your drawing should explain why the total mass stays the same.] |  | macroscopic view | |  | microscopic view | |
|  |  |  |  |  |
| before | after |  | before | after |
|  |
|  |  |
| Symbols that I used: |  |

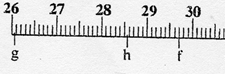
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1. a cotton ball on the ground, before and after a rain storm [Your drawing should explain why the total mass increases.] |  | macroscopic view | |  | microscopic view | |
|  |  |  |  |  |
| before | after |  | before | after |
|  |
|  |  |
| Symbols that I used: |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1. before: a wet cotton ball on the ground, after: same cotton ball after six hours in the sun [Your drawing should explain why the total mass decreases.] |  | macroscopic view | |  | microscopic view | |
|  |  |  |  |  |
| before | after |  | before | after |
|  |
|  |  |
| Symbols that I used: |  |

1. Write the measurement for each letter. *Estimate between marks when the hairline doesn’t hit dead center. If it does, make the last digit zero.*

 D \_\_\_\_\_\_ G\_\_\_\_\_\_\_\_ H\_\_\_\_\_\_\_\_

1. Write the measurement for only g, h, & f in these blanks

 G \_\_\_\_\_\_ H\_\_\_\_\_\_\_\_ F\_\_\_\_\_\_\_\_