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| Review #1EHS 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.

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| 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\_\_\_\_\_\_\_\_