Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Pre-AP Chemistry Unit 1 Quizzam Study Guide**

**Directions:** Use this study guide like a checklist. As you go down the list, ask yourself if you understand each concept. If you do, then you can check it off! Once you can check off everything on the list, you know you are prepared for the quizzam!

**For this quizzam, you should be able to…**

* Identify the appropriate laboratory tools for measuring mass, volume, and length.
* Use appropriate laboratory tools to measure mass, volume, and length.
* Measure mass, length, and volume using the correct number of significant figures.
* Understand and use metric units for mass, length, and volume.
* Convert between metric units using prefixes (example: cm to m, kg to g, etc.)
* Estimate measurements using the metric system.
* Identify safety precautions that should be taken during lab, and explain why those safety precautions are important.
* Name and label different types of common laboratory equipment.
* Identify the number of significant figures in a number.
* Round off a number to a certain number of significant figures.
* Write the result of a calculation using the correct number of significant figures.
* Convert numbers from standard form into scientific notation.
* Convert numbers from scientific notation into standard form.

**Helpful study tools:**

1. Textbook: Chapter 3, pgs. 63 – 76 and 80 – 87

2. Textbook practice: Ch. 3, pgs. 96 – 98, #s 58, 59, 60, 61, 63, 64, 65, 70, 73, 91, and the standardized test prep questions on pg. 99

3. Chemistry website: [www.blythevillechemistry.weebly.com](http://www.blythevillechemistry.weebly.com)

4. All your old notes and quizzes!

5. Homework helpline on Tuesday (6pm – 8pm in the library)