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

Teacher: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Pd: \_\_\_

**CSI Lab**

**Introduction:** You are a lab technician for a group of crime scene investigators. At a recent crime scene, one investigator found several strange samples of a mystery substance that resembled ones found at the home of his main suspect. They have asked you to analyze the samples to see if they are made from the same substance.

**Task:** Provide an analysis of the samples for the investigator. Be as thorough as possible, keeping in mind that the goal of your investigation is to determine if the samples are made from the same substance. To eliminate bias, the investigator has mixed up the samples so that you will not know before-hand which were found at the crime scene and which were found at the suspect’s house.

**Materials:** You will have access to the following materials during your investigation:

* 12 Samples (some from the crime scene, some from the suspect’s house)
* Ruler
* Triple-Beam Balance
* Graduated Cylinder

**Data:** Use the space below to gather and organize your data. You must collect data on at least 8 of the 12 samples.

**Analysis:** Provide an analysis of your data. Does the data indicate that all of the samples are made from the same substance or that the samples are of different materials? Be sure to support your claim with evidence from your data.