



**Calculations:**

- 1) Determine the density of each specimen, calculating in the proper number of significant figures.
- 2) Using google spreadsheet, Excel or graph paper, create a bar graph, in which each specimen is listed with the appropriate density. Make sure that each axis is labeled. Insert the graph in your lab book.

**Questions:**

- 1) According to your graph, which objects should “float” on water? Which objects should “sink”?
- 2) Describe how water displacement can be used to tell the volume of an object.
- 3) Why is it impossible to use water displacement to determine the volume of some of the objects tested?
- 4) Corn syrup has a density of  $2.5 \text{ g/cm}^3$ . What objects would “float” on top of the corn syrup?

**Conclusion:**