

- I. Purpose: The students will understand the property of density and be able to determine the density of liquids. They will have to determine the procedures they will use.

- II. Materials: Unknown liquids (pink, blue, clear, yellow), triple-beam balance, test tubes, test tube rack, dropper, rulers, 10 ml graduated cylinder, calculator

- III. Procedure & directions
 - A. Discuss with your lab table team a procedure to determine the relative densities of the different liquids. Think about Italian salad dressing.
 - B. Briefly write the procedure down on your lab sheet.
 - C. Perform the procedure. Write down your data. Show the teacher the results. Put the mixed liquids in the bucket at the front of the room and rinse out the test tubes with water.
 - D. Discuss with your lab table team a procedure to determine the exact density of one of the liquids.
Remember: Density is equal to Mass divided by Volume.
 - E. Write down your procedure. Perform the procedure and write down the results down on your lab sheet.
 - F. Clean your lab area.

Science 9 Inquiry Lab
Title _____
Hour _____ Date _____

Name _____
Partners _____

Purpose:	
Hypothesis:	
Materials:	
Procedure:	Data:
Analysis and Conclusion:	