

Virtual Density Lab

Name _____ Class _____ Date _____

<http://www.hazelwood.k12.mo.us/~grichert/explore/dswmedia/density.htm>
 Complete the following table using the Internet Program at the above address

Directions: Find the mass and volume of the object. Calculate the density of the object (mass divided by volume) Write "YES" if the object floats and "NO" if the object does not float.

Rank: Number the objects from highest to lowest density.

DESCRIPTION	MASS (G)	VOLUME (ML)	DENSITY (G/ML)	DOES IT FLOAT?	RANK
Blue Square					
Blue Triangle					
Red Square					
Red Oval					
Pink Square					
Purple Oval					
Green Triangle					
Gray Triangle					
Tan Rectangle					
Black/Red Rectangle					

1. What is the density of the liquid in the pail? _____
2. Which object had the greatest mass? _____ The least? _____
3. Which object had the greatest volume? _____ The least? _____
4. Which object had the greatest density? _____ The least? _____
5. Do you notice any connection between the density of an object and its ability to float or sink?

