Name: _____   Date: _____ /_____/_____   Period: _____

Density on the Internet

Complete the following table using the Internet program at the address above.

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					
Grey Triangle					
Tan Rectangle					
Red/Black Rectangle					

What is the density of the liquid in the pail? _____

Find the mass and volume of the objects. Calculate the density of the objects (mass divided by volume). Write "YES" if the object floats, and "NO" if the object does not float. Rank: Number the objects from lowest density to highest density.

Questions:
1) Do you notice any correlation (Pattern) between the density of an object and the ability of the object to sink or float?

2) Which object has the greatest volume? _____ the least? _____

3) Which object has the greatest mass? _____ the least? _____

4) Which object has the greatest density?_____ the least? _____