## **CHEQ 1094: DENSITY LAYERS**

Date:	Name:	Lab Day/Time:
Objective		
The object of this experiment is density of some solid objects by		scibility and density of some liquids and to determine the a series of unmixed liquids.
Procedure		
As in the Chem 1094 lab manu	ıal, pages	_
Observations		
Table 1. Observations	of different liquid la	yers
Liquid	Observations	

## Data

Table 2. Determining the density of the layers

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Layer				
Mass of graduated cylinder before adding liquid to cylinder (g)				
Mass of cylinder after adding liquid to cylinder (g)				
Volume of liquid in cylinder before adding household liquid to cylinder (mL)				
Volume of cylinder and contents after adding liquid (mL)				
Calculated mass of liquid (g)				
Calculated volume of liquid (mL)				
Calculated density of liquid (g/mL) (Show your calculations below)				

## Calculations Show a sample calc

Show a sample calculation for each step in the space provided below

Mass of liquid layer

Volume of liquid layer

Density of liquid layer

## Results

**Table 3. Determining the Approximate Density of Solid Objects** 

Object			
Which layer was it on the bottom of (if any)? ("bottom of layer")  Which layer was it on top of (if any)? ("top of layer")  (If it was in the middle of a layer, say "middle of layer")			
Calculated densities of those layers (say which density is which) (or of the layer it was in the middle of)			
Therefore, approximate density of solid object (g/mL)  (State as greater than, less than, or equal to, density of layer(s) where it came to rest)			

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1.		Can you think of other liquids that could be used to widen the range of your density determining device?					
2.	a)	List the household liquids in order of increasing density.					
	b)	List the solid objects in order of increasing density.					
Con	clusio	on					
Using	a senter	nce, state the densities of all the liquids that were used today.					