

Name: _____

Use the following website to answer the questions: <http://ippex.pppl.gov/interactive/>

Click on: Mass, Volume and Density

Write the definitions for

1. Mass-

2. Volume-

3. Density-

4. The formula for Density is _____. Write what the letters in the formula stand for: _____

5. Use the formula to find the density of the block of wood. _____

Click on: Virtual Density Lab

Find the following:

Materials	Mass	Volume	Density	Will it float in water?
Charcoal				
Egg				
Gold				
Iron				
Oak Wood				

Place all the materials in the pail. Change the liquid. Write Sink or Float
In the chart below.

Materials	Water	Glycerin	Vegetable Oil	Milk	Salt Water
Charcoal					
Egg					
Gold					
Iron					
Oak Wood					

Describe why some material floated in some liquids and sank in other liquids. Use
data from the first table to explain your answer.
