

Title: Oct 3-8:21 AM (1 of 6)

Name:	Date:
1. What is density?	
2. Which would have more cube of rubber?	e matter, a 1cm cube of lead or a 1cm

Title: Nov 17-2:50 PM (2 of 6)

•	u put a piece of cork in a container • Why?	of water, would it sink	

To Sink or To Float				
Name:		Date:		
Purpose: To find the dens	sity of water and oil.			
Procedure:				
1. Use the table to recor	rd your findings.			
Measurements	Cylinder with water	Cylinder with oil		
Measurements a) Mass of empty	Cylinder with water	Cylinder with oil		
a) Mass of empty cylinder	Cylinder with water	Cylinder with oil		
a) Mass of empty	Cylinder with water	Cylinder with oil		
a) Mass of empty cylinder b)Mass of cylinder with liquid	Cylinder with water	Cylinder with oil		
a) Mass of empty cylinder b)Mass of cylinder with	Cylinder with water	Cylinder with oil		

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e)Density (c÷d)

- Use two identical graduated cylinders. Use a balance to find the mass of each graduated cylinder. Record you answer.
- Fill one graduated cylinder with waster and the other with oil. Fill
 each one to the same level. You have equal volumes of water and oil.
 Record this volume on your table.
- 4. Find the mass of the water and cylinder.
- Subtract the mass of the graduated cylinder from the mass of the cylinder and the water.
- Find the mass of the oil and cylinder.
- Subtract the mass of the graduated cylinder from the mass of the cylinder and the oil.
- 8. Use the equation for density to find the densities of water and oil.

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Which substance has a greater density?
Liquids with less density will float on liquids with greater density. If you poured the water and cooking oil together, which would float to the top? Why?
Corn syrup has a density of 1.3 g/cm³. If you pour corn syrup into a cylinder of cooking oil and water, what would happen?