# GROUP H_ 

Lab Report
Density

Date. $\qquad$ Period

DATA TABLE

Part A Mass of dry 10 ml graduated cylinder
Mass of grad. cylinder +10.0 ml water
Part B Mass of dry 10 ml graduated cylinder and 9.0 ml of unknown liquid
$\qquad$

Part C Mass of solid object.....ube....................................................
Original volume of water(in 100 ml cylinder)
Final volume of water plus solid object. (Rectangle)

1. What is the purpose of the lab ? (In complete sentence)
2. Part A: What is your calculated density of water (use your data and show your calculations)
3. Part B: What is the density of the unknown liquid? $?_{2}$, what is the identity of this liquid? (Again show calculations)
(2)
4. Part C: What is the volume of the solid? Cube rectangle Calculate the density of the solid. (Show work)
cube $\qquad$ rectangle $\qquad$
5. The method used in finding the volume of the solid in Part C wont work with all solids. Why not ? (Give an example)
6. For the solid used in Part C, what would the volume have been for a sample that weighed 150 grams? [Hint: use your density value from part C!]
