## Water Displacement Lab

Name: \_\_

**Purpose:** 

displacement.

**Instructions:** 

Today you will learn to determine the

volume of irregular-shaped objects. We will use a procedure called **water** 

Period: \_\_\_\_

graduated cylinder

• Pencil or Pen

Calculatoryour brain

• bottle or beaker of water

· collection of irregular shaped objects

**Materials:** 

Date: \_

below.	nave the largest vo	nume and which w	vill have the smalle		l your answer
Name of Item			Volume Hypothesis		
1.					
2.					
3.					
4.					
Item with the LARGEST Volume					
Item with the SMALLEST Volume					
possible). 3. (DROP) 4. (MEASU 5. (SUBTR This num 6. Repeat sto 7. Answer I	RE) Using water be Record this as you Carefully drop object (RE) Read the new ACT) Calculate the ber will be the volume ps #2 through #5 for ab Conclusion quality of the conclusion quality and	r initial volume in ect into the gradua volume reading. It difference of the me of the object. It or all objects in bigestions on next pa	the table below. ted cylinder. Wait Record this as you two volume readin Record this readin n. ge.	for water the settle r <u>final volume</u> . ngs. [ <u>Remember</u> : (I g on the table below	e. Final) - (First)]. w.
Name of Object	Mass (g) (Don't forget units)	Initial Volume (mL)	Final Volume (mL)	Volume of Object (Final- initial)	Density (D=Mass/Volume)
1.					
2.					
3.					
4.					

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## **Lab Conclusion Questions:**

1. Which object has the largest volume?
2. Which object the smallest volume?
3. Was your hypothesis supported or not?
4. Which item had the largest density?
5. List some real world situations where you see water displacement.
6. How does the density of a large piece of aluminum compare to a small piece?
7. According to what you've learned in class and your experiment today, does the size of an object determine what the density will be? WHY or WHY NOT?