



Name: \_\_\_\_\_  
Score: \_\_\_\_\_

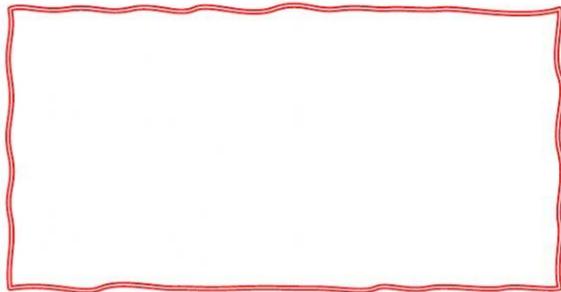
Date: January 30<sup>th</sup>, 2023

**QUESTION:**

What happens when you have weird-shaped objects, and you want to know their volume?

**HYPOTHESIS** (What is your prediction before doing this experiment?)

We will be measuring the volume of a solid in our experiment today. Watch the video.



**MATERIALS:**



For this experiment we'll need:


**PROCEDURES**



1. Grab three interesting-shaped rocks from your backyard, or three irregular shaped objects you have at home.
2. Label them A, B, and C with a permanent marker.
3. Grab a glass measuring cup and pour 300 ml of water into it.
4. Now, place Rock A into the water.
5. Measure how much the water went up. How high is the water now? Write it down in the Data Table. Then subtract the number from the original number (300 ml). You will find out the volume of the rock! Whatever amount of water the rock displaced is the amount of space it filled up, or its volume.
6. Remove Rock A from the water and measure Rock B in the same way. Then Rock C.

**DATA TABLE**

OBJECT	Water -level measurement without rock	Water -level measurement with Rock	Volume of Rock Sample (Subtract water level without rock from the measurement with rock)
A			
B			
C			



**RESULTS**

Which was the smallest, largest, or which two had similar volume? Describe your findings.