

Name: _____
 Score: _____

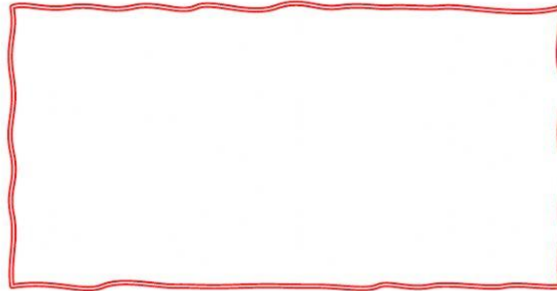
Date: January 30th, 2023

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:



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 RockSample (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.