

Name: _____

Date: _____

Lab Partner: _____

Station #: _____

LAB #1: MEASUREMENT

VOCABULARY:

Observation: _____

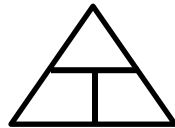
Inference: _____

Mass: _____

Volume: _____

Density: _____

Formula Triangle: Fill in the triangle



PURPOSE: Observe all three rock samples and make an inference as to which of the samples has the highest density.

HYPOTHESIS: I think that the rock with the highest density is _____.

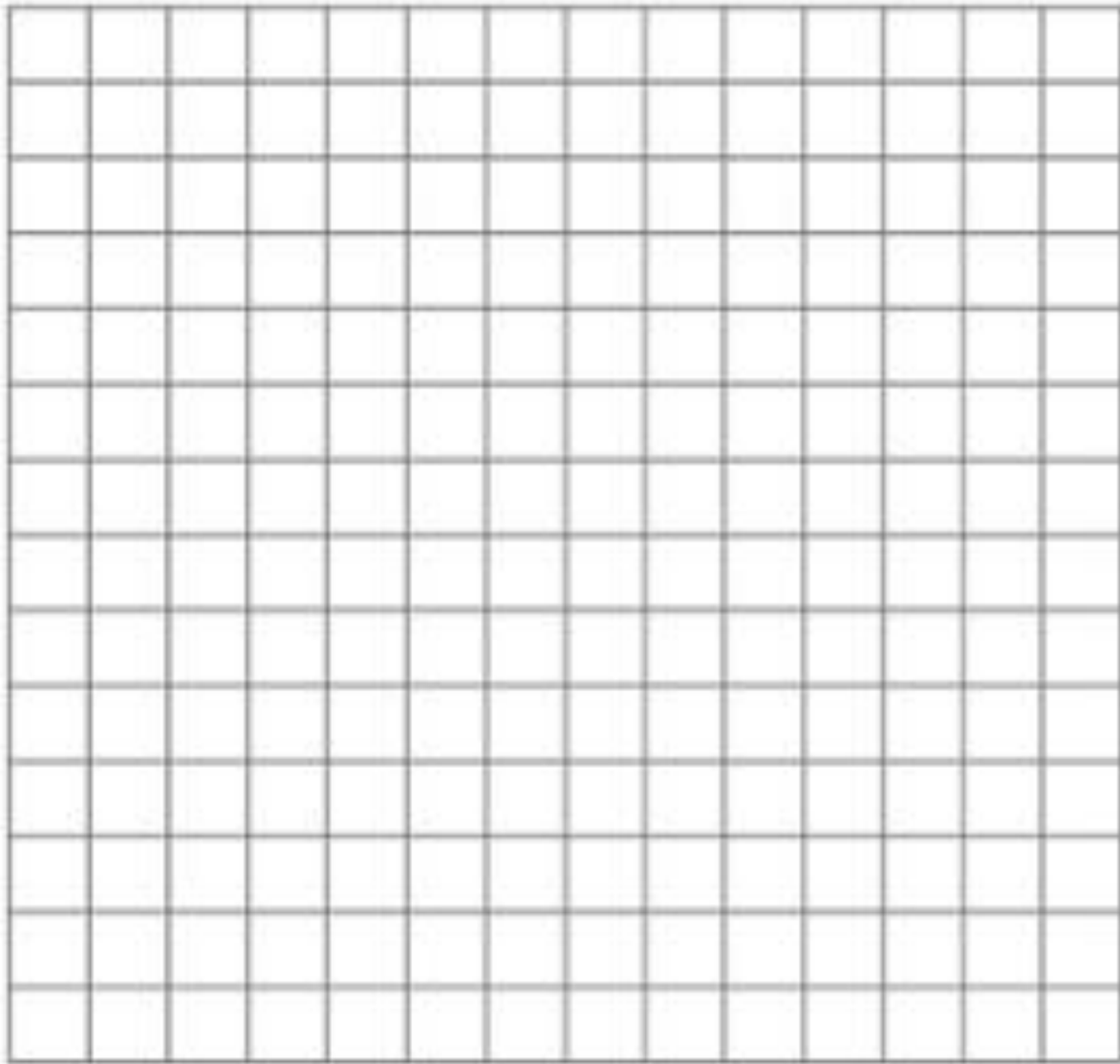
PROCEDURE:

1. Find the mass of the 3 rock samples and record to the nearest tenth in your data table.
2. Find the volume of the 3 rock samples to the nearest milliliter (mL) and record in data table.
3. Calculate the density of the 3 rock samples based on your mass and volume measurements.

DATA:

SAMPLE	MASS (g)	VOLUME (mL)	FORMULA	DENSITY (g/mL)
ROCK A				
ROCK B				
ROCK C				

ANALYSIS: Make a bar graph showing the density for all three samples. Be sure to label axis and title the graph DENSITY OF ROCKS



QUESTIONS:

- 1. Make an observation about each rock sample.

Observation ROCK A:

Observation ROCK B:

Observation ROCK C:

- 2. What is the density of a rock which has a mass of 35 grams and a volume of 7.0 cubic centimeters?