

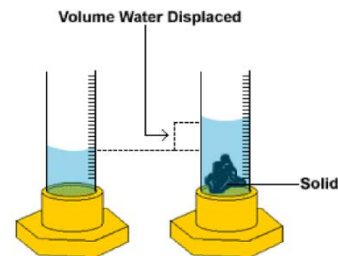
**LESSON 3 WORKSHEET**  
**SCENIC SCIENCE**

**NAME:** \_\_\_\_\_  
**INITIALS:** \_\_\_\_\_

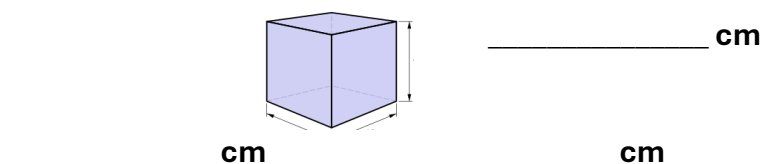
**MEASURING VOLUME DISPLACED**

1. **Measure** the volume measure the following objects:

- 25 PENNIES \_\_\_\_\_ cc's \_\_\_\_\_ mL
- SPORT BALL \_\_\_\_\_ cc's or mL



2. **Measure with rulers and record** (each side of the cube in centimeters - use cubes provided in class):



3. **Density** Feel the difference in density with each equal cube

**DENSITY RANKING (1-3)**

Cu \_\_\_\_\_ g/ml \_\_\_\_\_

Al \_\_\_\_\_ g/ml \_\_\_\_\_

Pb \_\_\_\_\_ g/ml \_\_\_\_\_

**Which ELEMENT is most dense:** \_\_\_\_\_ **(LEAD)**

**PANNING FOR HEAVY METALS**



Dense minerals tend to remain close to the bottom while lighter minerals layer on top. Using your test tube, pan back and forth lengthwise. Then, slowly tip the test tube upright. Observe the colors that emerge.

**QUESTIONS**

**UNDERLINE THE RIGHT ANSWER**

1. What color appears to “hug” the bottom? Gray or White
2. Are you able to observe a lighter colored layer on top? Yes or No
3. Where do the pink/red flakes tend to settle out? Top or Bottom
4. Iron sand is denser than Quartz sand. Which color is iron? Gray or White
5. Which color is Quartz sand? Gray or White