| LESSON 3 | WORKSHEET |
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| CLIDVIVAL | SCIENCE |

| NAME: | | |
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| NITIALS: | | |

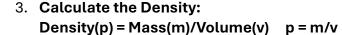
CALCULATING DENSITY

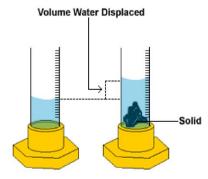
| 1. | Find Mass | (weight) | of the | following | objects: |
|----|------------------|----------|--------|-----------|----------|
|----|------------------|----------|--------|-----------|----------|

- 100 PENNIES _____ grams (to nearest 50 g)
- 25 PENNIES _____ grams (divide above by 4)



- SPORT BALL _____ cc's or mL (weight = 10 g)
- 25 PENNIES _____ cc's or mL





This Photo by Unknown Author is

SPORT BALL _______ mL = ______ g/mL

PENNIES _____ mL = ____ g/mL

4. Feel **Density** differences (using a perfect cube measuring 1 cm per side)

WEIGHT IN GRAMS ROUND (cm³) COMPARED TO WATER DENSITY RANKING (1-4)

Cu _____ g/1 mL = ____ g/cm³ Fe ____ g/1 mL = ___ g/cm³ Al g/1 ml = g/cm³

Al _____ g/1 mL = ____ g/cm³ _____ Pb g/1 mL = g/cm³

Which ELEMENT is most dense based on your density rank above: _____

METALLURGY (less than 2000 degrees F or ~1100 degrees C temp or)

Tin = Sn Iron = Fe Copper = Cu Antimony = Sb Lead = Pb Al = Aluminum Zn = Zinc Ag = Silver Au = Gold

BRONZE: _____+___

PEWTER: _____ + ____ or ____

AMMO: _____ or ____ or BRASS = Cu + Zn