



Density  
Concept  
Questions

# *Which has the Greater Density*

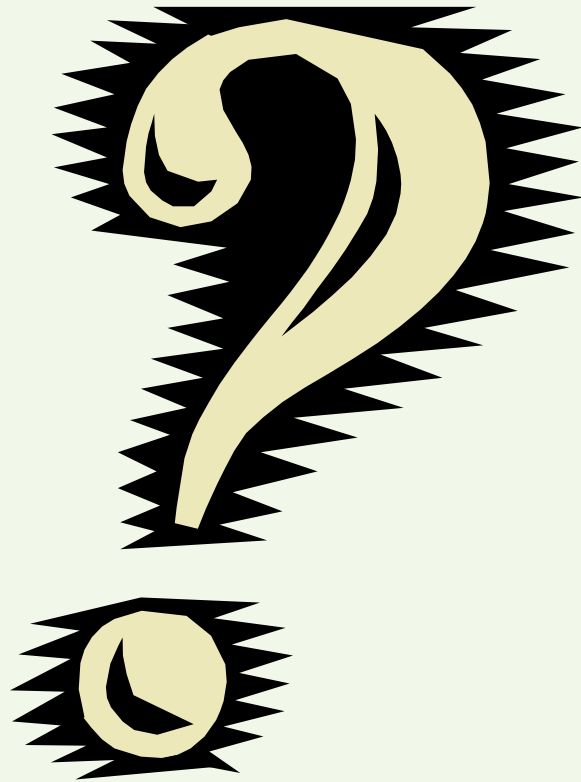
- 2 grams Au or 2000 grams of H<sub>2</sub>O?
- 10 grams Al or 100 grams of Al?
- 50 grams/10 mL or 50 grams / 5 mL?

# *Which has the Greater Density*

- 2 grams Au or 2000 grams of H<sub>2</sub>O? **2g Au**
- 10 grams Al or 100 grams of Al? **Same**
- 50 grams/10 mL or 50 grams / 5 mL?  
**50g/5mL**

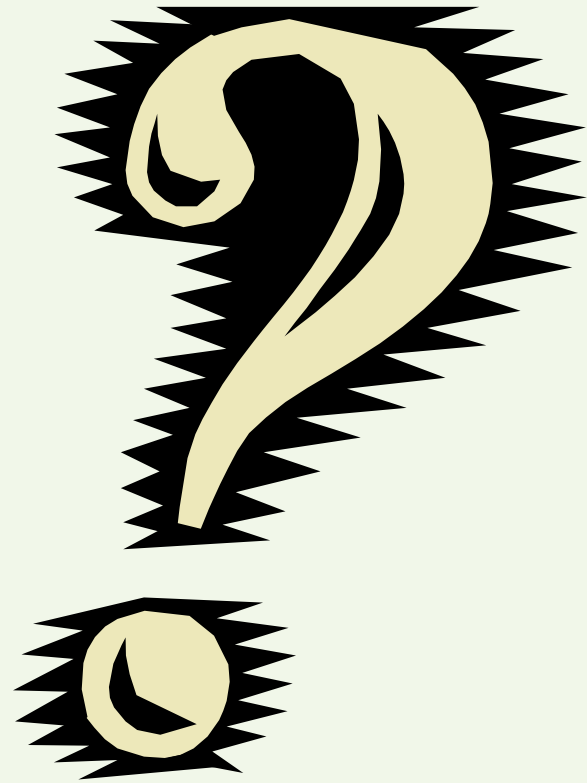
# *Which has a GREATER volume?*

- 10 grams of Al or 10 grams of Hg?
- 1 liter of H<sub>2</sub>O or 1 liter of lead?
- 1 g H<sub>2</sub>O or 1 mL H<sub>2</sub>O
- 1 gram of Au or 1 gram of He?



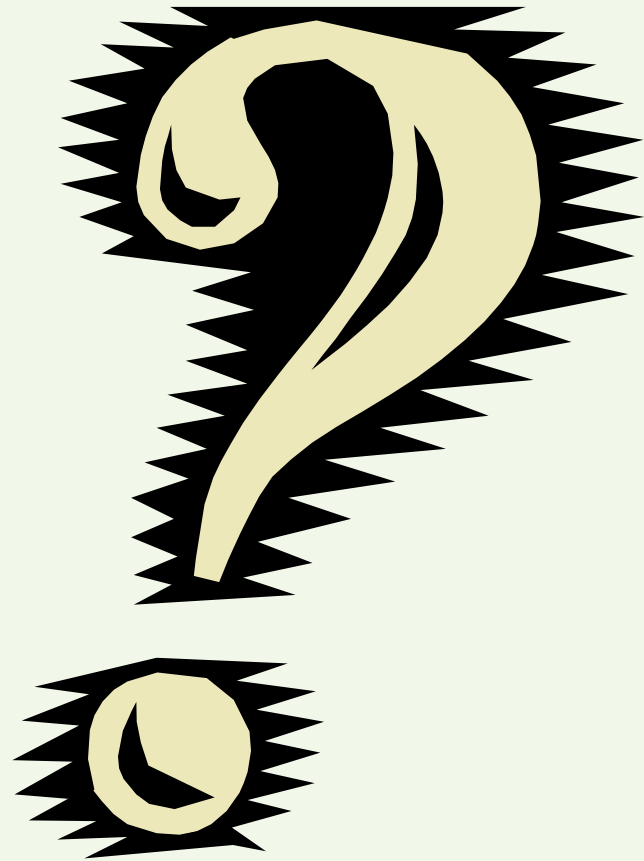
# Which has a ***GREATER*** volume?

- 10 grams of Al or 10 grams of Hg?
- 1 liter of H<sub>2</sub>O or 1 liter of lead? **Same**
- 1 g H<sub>2</sub>O or 1 mL H<sub>2</sub>O **Same**
- 1 gram of Au or 1 gram of He?



# Which has a *GREATER mass*?

- 50 mL Pb or 50 mL Al?
- 100 g Au or 100 g Al?
- $1\text{cm}^3$  Al or  $1\text{cm}^3$  of Pb?
- 2.7 ml  $\text{H}_2\text{O}$  or 1ml Al?
- 300 g Pb or 30 g Pb



# Which has a *GREATER mass*?

- 50 mL Pb or 50 mL Al?
- 100 g Au or 100 g Al?

Same

- 1cm<sup>3</sup> Al or 1cm<sup>3</sup> of Pb?
- 2.7 ml H<sub>2</sub>O or 1ml Al?

Same

- 300 g Pb or 30 g Pb

