

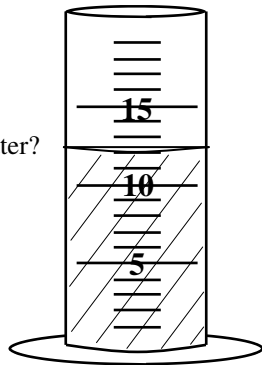
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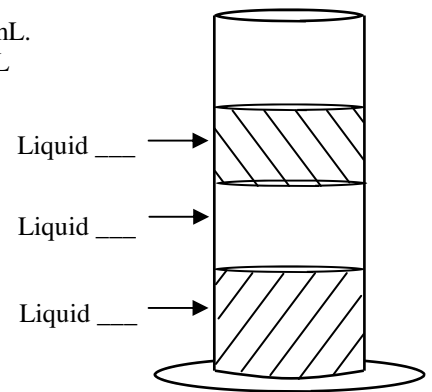
HW2:5 Density Columns
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science.fearthepenguin.net

Assigned: Tues., 9/19 and Wed., 9/20
Due: Thurs., 9/21 and Fri., 9/22

1. What is the density of water?
2. How many grams is 35 mL of water?
3. How much volume is 62 grams of water?
4. How many grams of water are in this graduated cylinder?

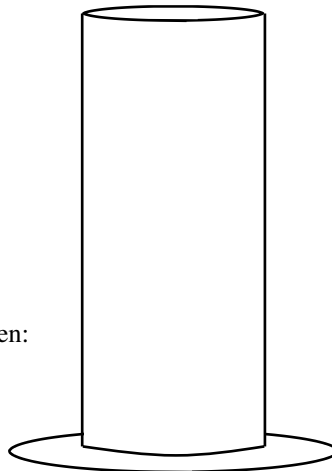


5. Float or sink in water?
____ Object A; $D = 0.65 \text{ g/mL}$.
____ Liquid B; $D = 1.5 \text{ g/mL}$
____ Ice
6. Liquid A = 1.4 g/mL
Liquid B = 0.91 g/mL
Liquid C = 1.0 g/mL
Label this density column with liquids given.
7. You know one of the liquids. Label it.
8. Where would ice float? Draw it.

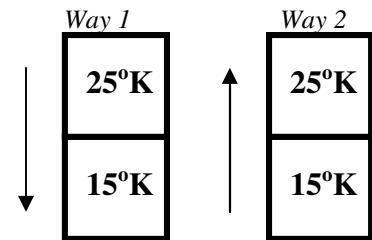


From the lab

9. Which is more dense: corn syrup or water?
10. Which is more dense: water or oil?
11. Which is more dense: a piece of crayon or Aluminum foil?
12. Draw your density column with the graphic given:
(you will lose points if you do not label.
Give all liquids and objects.)



13. The negative particle in the atom is called the:



14. Which set of objects shows the correct heat transfer?