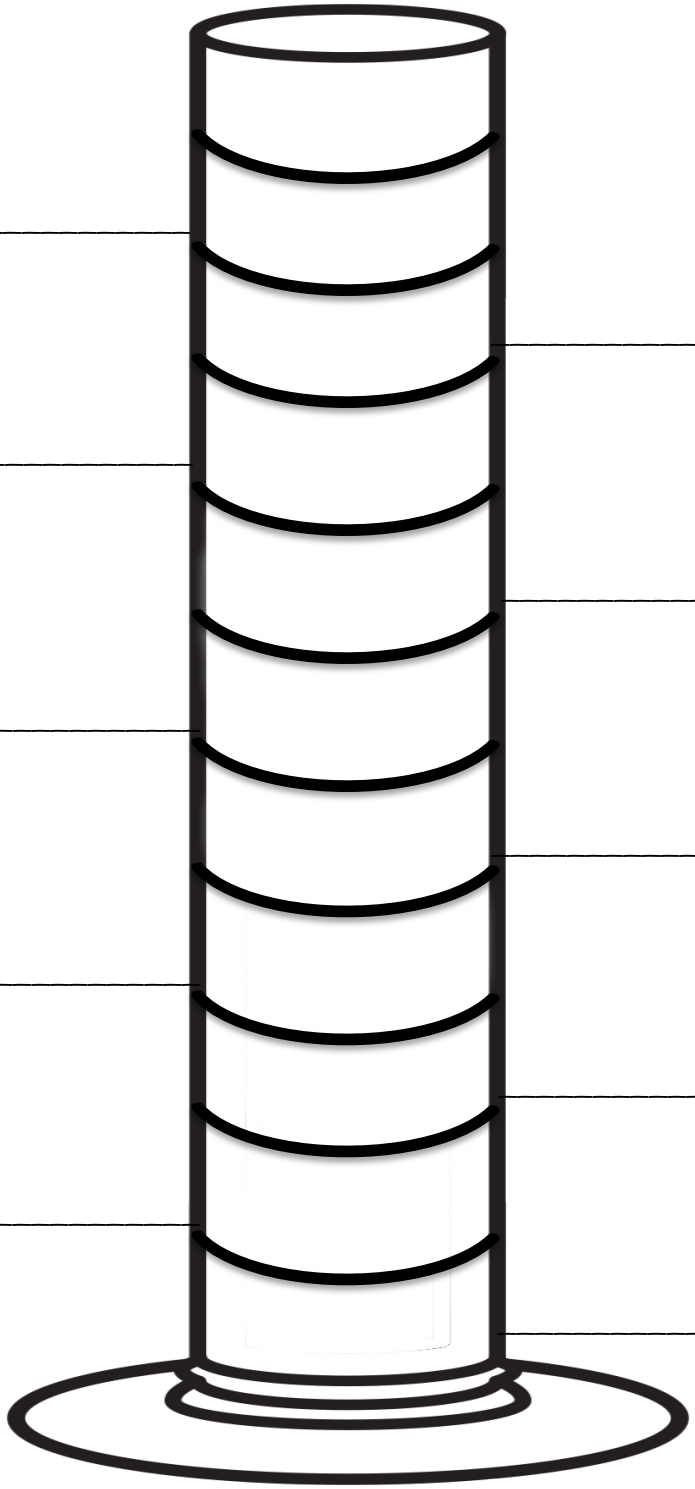
Name _____ Date _____ Section _____

Exploring Density

Directions: A student wants to create a Density Column using some common household materials. First, calculate the density of each substance listed on the back of this paper. Second, identify its position in the column based on its density.



11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

Calculate the density of each substance. Make sure to show your work and don't forget to include units!

$$D = \frac{\text{Mass}}{\text{Volume}}$$

1. Water
M: 6.8 g V: 6.8 mL
Density: _____

2. Lamp Oil
M: 3.2 g V: 4.0 mL
Density: _____

3. Maple Syrup
M: 8.22 g V: 6.0 mL
Density: _____

4. Rubbing Alcohol
M: 2.37 g V: 3.0 mL
Density: _____

5. Milk
M: 5.15 g V: 5.0 mL
Density: _____

6. Baby Oil
M: 3.32 g V: 4.0 mL
Density: _____

7. Dish Soap
M: 5.3 g V: 5.0 mL
Density: _____

8. Vegetable Oil
M: 6.44 g V: 7.0 mL
Density: _____

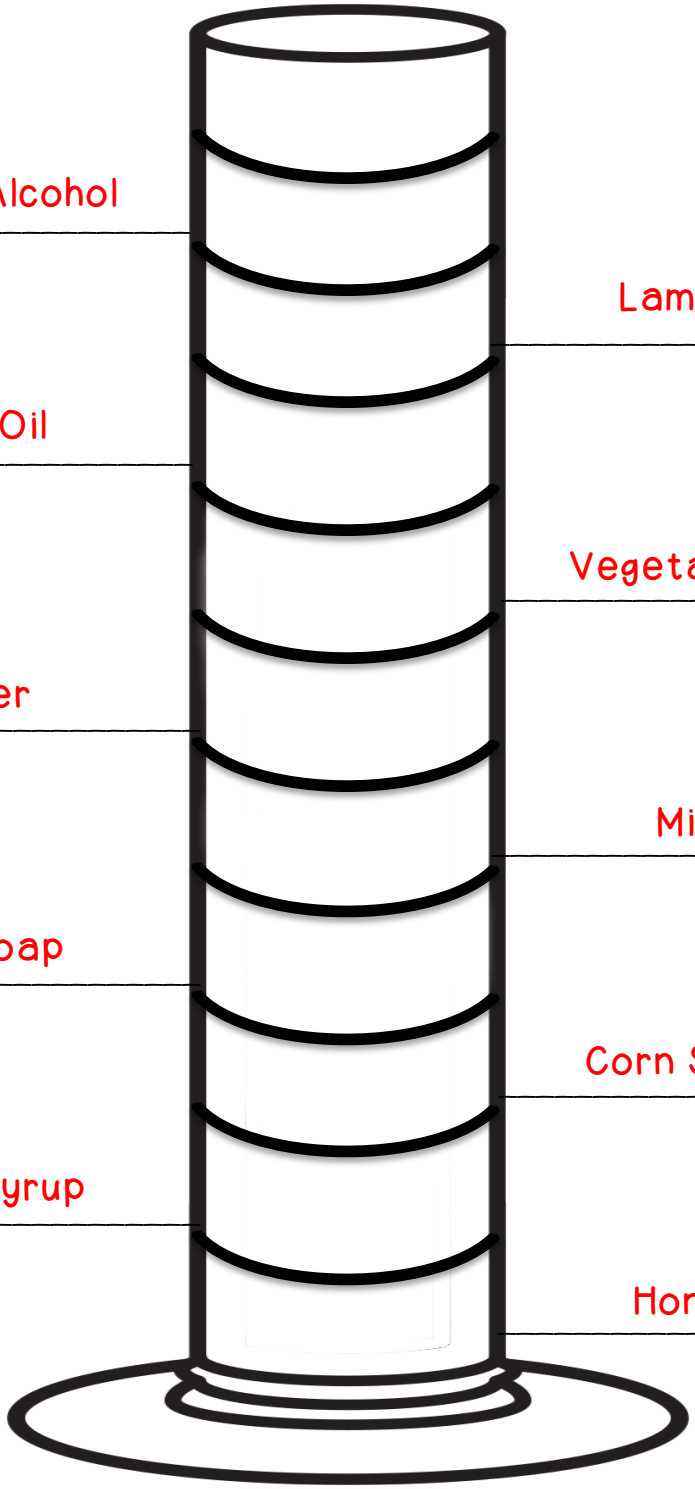
9. Honey
M: 7.1 g V: 5.0 mL
Density: _____

10. Corn Syrup
M: 7.98 g V: 6.0 mL
Density: _____

Name Answers Date _____ Section _____

Exploring Density

Directions: A student wants to create a Density Column using some common household materials. First, calculate the density of each substance listed on the back of this paper. Second, identify its position in the column based on its density.



11. Rubbing Alcohol

12. Lamp Oil

13. Baby Oil

14. Vegetable Oil

15. Water

16. Milk

17. Dish Soap

18. Corn Syrup

19. Maple Syrup

20. Honey

Calculate the density of each substance. Make sure to show your work and don't forget to include units!

$$D = \frac{\text{Mass}}{\text{Volume}}$$

1. Water
M: 6.8 g V: 6.8 mL
Density: 1.0 g/mL

2. Lamp Oil
M: 3.2 g V: 4.0 mL
Density: 0.80 g/mL

3. Maple Syrup
M: 8.22 g V: 6.0 mL
Density: 1.37 g/mL

4. Rubbing Alcohol
M: 2.37 g V: 3.0 mL
Density: 0.79 g/mL

5. Milk
M: 5.15 g V: 5.0 mL
Density: 1.03 g/mL

6. Baby Oil
M: 3.32 g V: 4.0 mL
Density: 0.83 g/mL

7. Dish Soap
M: 5.3 g V: 5.0 mL
Density: 1.06 g/mL

8. Vegetable Oil
M: 6.44 g V: 7.0 mL
Density: 0.92 g/mL

9. Honey
M: 7.1 g V: 5.0 mL
Density: 1.42 g/mL

10. Corn Syrup
M: 7.98 g V: 6.0 mL
Density: 1.33 g/mL