

**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_ Team \_\_\_\_\_\_\_\_\_\_\_**

**Walking Water**

What are the colors in beakers 1, 3, and 5? \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_

What are the new colors in beakers 2 and 4? \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

Why did the water travel up? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Why did the water drop down? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Milk Art**

Name the 3 molecules in milk. 1 \_\_\_\_\_\_\_\_\_\_\_\_\_\_, 2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, 3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What are the 2 charges in the molecules? 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Why was it possible to make colorful swirls on the milk’s surface?

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Rainbow Lab**

**Procedure:**

***Part 1:***

1. Label 6 test tubes in order: **A, B, C, D, E & F.**
2. Into test tube **A**, measure 25 mL of RED liquid.
3. Into test tube **C**, measure 17 mL of YELLOW liquid.
4. Into test tube E**,** measure 21 mL of BLUE liquid.

***Part 2:***

1. From test tube **C**, measure 4 mL and pour into test tube **D**.
2. From test tube **E**, measure 7 mL and pour into test tube **D**. Swirl.
3. From test tube **E**, measure 4 mL and pour into test tube **F**.
4. From test tube **A**, measure 7 mL and pour into test tube **F**. Swirl.
5. From test tube **A**, measure 8 mL and pour into test tube **B**.
6. From test tube **C**, measure 3 mL and pour into test tube **B**. Swirl.
7. Measure the contents of each test tube and record how many mL in each.

**Test Tube Results**

|  |  |  |
| --- | --- | --- |
| **Test Tube**  | **Color of Liquid**  | **Amount of Liquid (mL)**  |
| **A**  | http://www.middleschoolscience.com/clearW.gif | http://www.middleschoolscience.com/clearW.gif |
| **B**  | http://www.middleschoolscience.com/clearW.gif | http://www.middleschoolscience.com/clearW.gif |
| **C**  | http://www.middleschoolscience.com/clearW.gif | http://www.middleschoolscience.com/clearW.gif |
| **D**  | http://www.middleschoolscience.com/clearW.gif | http://www.middleschoolscience.com/clearW.gif |
| **E**  | http://www.middleschoolscience.com/clearW.gif | http://www.middleschoolscience.com/clearW.gif |
| **F**  | http://www.middleschoolscience.com/clearW.gif | http://www.middleschoolscience.com/clearW.gif |
|    | **Total liquid Test Tubes**  | **mL**  |

**Analysis/Results:**

1. Name the colors that you created.

B. \_\_\_\_\_\_\_\_\_\_ D. \_\_\_\_\_\_\_\_\_\_ F. \_\_\_\_\_\_\_\_\_\_

1. How many mL of liquid were in each test tube?

A. \_\_\_\_\_\_ B. \_\_\_\_\_\_ C. \_\_\_\_\_\_ D. \_\_\_\_\_\_\_ E. \_\_\_\_\_\_\_ F. \_\_\_\_\_\_\_