

Name \_\_\_\_\_



Date \_\_\_\_\_

## Objectives:

- to develop skills measuring chemicals with a graduated cylinder.
- to test precision and ability to follow directions.
- to practice lab safety procedures.

## 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. Save your results and check with your teacher.
8. Measure the contents of each test tube and record how many mL in each test tube.



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**Data:**

**Table 1: Test Tube Results**

Test Tube	Color of Liquid	Amount of Liquid (mL)
<b>A</b>		
<b>B</b>		
<b>C</b>		
<b>D</b>		
<b>E</b>		
<b>F</b>		
	<b>Total liquid Test Tubes A-F</b>	<b>mL</b>

**Analysis/Results:**

1. Name the colors that you created. B. \_\_\_\_\_ D. \_\_\_\_\_ F. \_\_\_\_\_

2. How many mL of liquid were in each test tube at the start of this lab? \_\_\_\_\_

3. What would have happened if your measurements were not correct?

\_\_\_\_\_

4. How many mL of liquid did you have at the end of the lab? \_\_\_\_\_

5. How many should you have? \_\_\_\_\_

6. What are some reasons why you may have more or less than when you started?

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