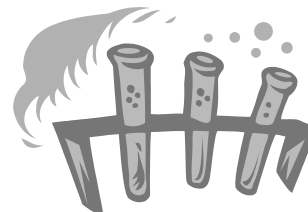




# Rainbow Lab



## Procedure:

### Part 1 :

1. Label 6 test tubes in order: **A, B, C, D, E & F.**
2. Fill a beaker half full with water. Use this to rinse your graduated cylinder and test tubes.
3. The second beaker is for contaminated waste water.
4. Into test tube **A**, measure **25 ml** of **RED** liquid.
5. Into test tube **C**, measure **17 ml** of **YELLOW** liquid.
6. Into test tube **E**, measure **21 ml** of **BLUE** liquid.
7. Record the volume and color of the liquid in each test tube in Table 1.

### 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. Record the volume and color of the liquid in each test tube in Table 1.

Test Tube	Liquid Color	Initial Liquid Volume	Initial Liquid Color	Final Liquid Volume	Final Liquid Color
A					
B					
C					
D					
E					
F					
Total					

**Analysis/Results:**

1. How did the volume change from the beginning of the experiment to the end of the experiment? How can you explain this change?
2. What would have happened if your measurements were not correct?
3. Identify at least three scientific processes you completed during this activity.
4. Identify at least three things that you modeled during this activity.
5. Identify at least three observations you made during this activity.
6. Identify at least four things that changed and four things that stayed constant from the beginning of the activity to the end of the activity.
7. Were you “doing” science during this activity? Justify your answer using the definition of science.