

Part D: Color Challenge

1. Obtain the following items from your teacher:

- 3 beakers with colored water- 25 ml of each color (red, blue, and yellow)
- 1 graduated cylinder (25 ml - 50 ml)
- 1 eyedropper
- 6 test tubes labeled A, B, C, D, E, and F

2. Perform each step outlined below using accurate measurements.

- (1) Measure 17 ml of RED water from the beaker and pour into test tube A.
- (2) Measure 21 ml of YELLOW water from the beaker and pour into test tube C.
- (3) Measure 22 ml of BLUE water from the beaker and pour into test tube E.
- (4) Measure 5 ml of water from test tube A and pour it into test tube B.
- (5) Measure 6 ml of water from test tube C and pour it into test tube D.
- (6) Measure 8 ml of water from test tube E and pour it into test tube F.
- (7) Measure 5 ml of water from test tube C and pour it into test tube B.
- (8) Measure 2 ml of water from test tube A and pour it into test tube F.
- (9) Measure 4 ml of water from test tube E and pour it into test tube D.

3. Complete the chart.

Test Tube	Color	Final Amount (ml)
A		
B		
C		
D		
E		
F		

Conclusions: Use complete sentences

1. Define meniscus
2. Draw a graduated cylinder, label the meniscus, and describe how to read it. (+3 pts)
3. Why was it important to be accurate in your measurements?
4. Explain any experimental errors you had.