Name			
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Part A: Count your drops! HYPOTHESIZE- How many drops of water will it take to equal 1 milliliter? drops			
Follow the directions to find the number of drops in 1 milliliter of water, then answer the questions. You will need a small graduated cylinder (10 ml), a beaker of water, and an eyedropper for this section. (1) Fill a small graduated cylinder with 3 ml of water. (2) Count the number of drops it takes to raise the water to 4 ml. Record the number in the chart. (3) Leave the water in the graduated cylinder and count the number of drops it takes to raise the water to 5 ml. Record the number in the chart. (4) Leave the water in the graduated cylinder and count the number of drops it takes to raise the water to 6 ml. Record the number in the chart. (5) Calculate your average and round to the nearest tenth.			
# of drops to 5 ml	# of drops to 6 m	l Average	
Based on your average, how close were you to your guess?			
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Part B: Water Displacement Follow the directions to find the volume of three marbles using water displacement. (1) Add 20 ml of water to a 100 ml graduated cylinder. Record this amount in the chart. (2) Add three marbles to the cylinder and measure the volume. Record this amount in the chart. (3) Find the difference between the two measurements and record in the chart. The difference between the two measurements will be the volume of the three marbles.			
Volume of water after adding marbles	Difference in volume	Volume of 3 marbles	
nula e volume of the box. Mea	asure to the nearest centing	meter (no decimals) before	
	d the number of drops in cylinder (10 ml), a beaker of linder with 3 ml of water. Ops it takes to raise the water aduated cylinder and countrie chart. Independent of the nearest tender of the property of the chart. Independent of the nearest tender of three marbles of the volume of three marbles of the two measurements of the two measurements of the three marbles	d the number of drops in 1 milliliter?	

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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 18 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 21 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 7 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 3 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)
Α		
В		
С		
D		
E		
F		