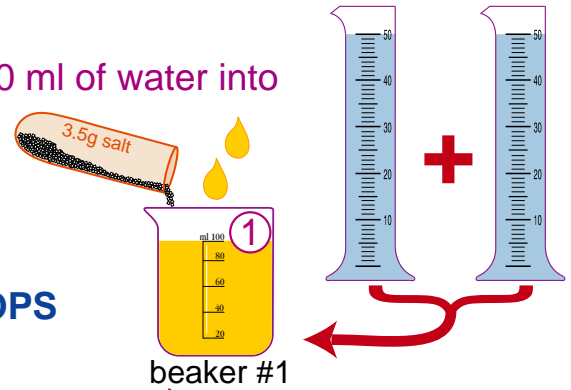


How to Make Serial Dilutions

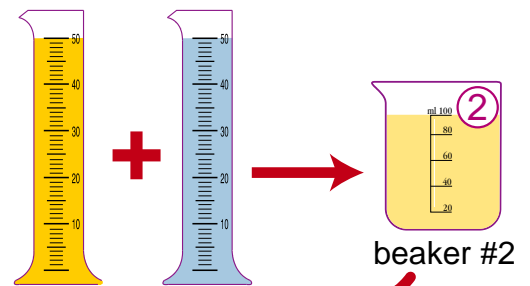
- 1 Using your graduated cylinder, measure 100 ml of water into beaker #1.

[hint: To get 100 ml, you will need to fill the graduated cylinder to the 50ml line **twice**]

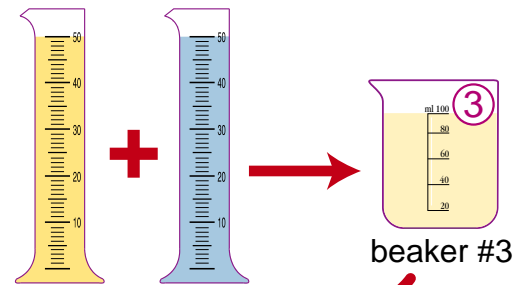
- 2 Add 3.5 grams of salt (provided) and **2 DROPS** of yellow food coloring to beaker #1. Stir with the stir rod provided.



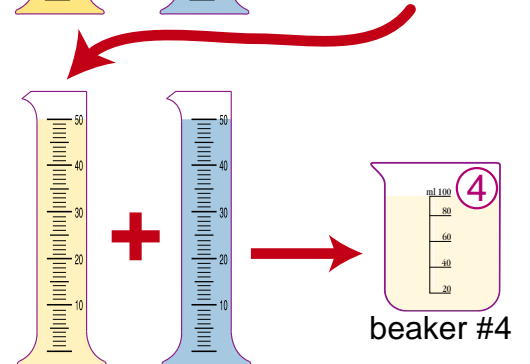
- 3 Measure 50 ml of solution #1 with your graduated cylinder. Pour it into beaker #2. Add 50 ml of water to beaker #2. Stir.



- 4 Measure 50 ml of solution #2 with your graduated cylinder. Pour it into beaker #3. Add 50 ml of water to beaker #3. Stir.

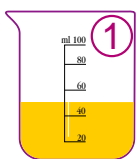


- 5 Measure 50 ml of solution #3 with your graduated cylinder. Pour it into beaker #4. Add 50 ml of water to beaker #4. Stir.

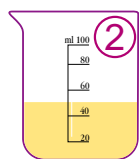


Congratulations!

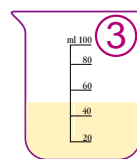
You have just made serial dilutions!



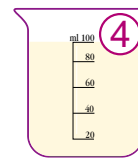
3.5% NaCl



1.75% NaCl
1/2 as much salt
as beaker #1



0.875% NaCl
1/2 as much salt
as beaker #2



0.4375% NaCl
1/2 as much salt
as beaker #3