- Percent By Mass Example #1:
 - 5.45 g of NaCl is added to 100 ml of water. What is % by mass of NaCl?

- Molarity Example #2:
 - What is the molarity of a solution that has a total volume of 0.150 L and contains 12.0 g of NaCl?

- Solution Preparation Example #3:
 - Describe how you would prepare 500. ml of a 1.50 M solution of Sodium Chloride.

	Concentration of Solutions		
 The of a solution is a mea 		e	of a solution is a measure of the amount of
	solute in a given amount of solvent or solution which can be expressed b		
	Percent by mass		
		•	Expresses concentration as a percent of the of the solute
			of the total mass of the
		•	Remember the density of water is 1.00 g / 1.00 ml
	• Molarity		
		•	Expresses concentration as a number of
			per liter of
		•	Molarity (M) = moles of solute / Liters of Solution
•	In order to prepare a solution of a very specific concentration		
	٠	То	prepare a solution, first measure out the of the
		so	ute that you need to make the solution.
	Then, place the solute in a flask (a very		en, place the solute in a flask (a very
		pre	ecise flask that measures only a single volume) that measures to the
		de	sired volume and add a small amount of water to dissolve the solute.
	•	Fir	ally, add water to the final volume of the solution and mix.
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