Learning Activities: **SWBAT. . .**
           …solve dilution problems and calculate new concentrations.

DILUTION: *A method of lowering the concentration of a solution by adding water.*

- The key to understanding dilution is that you ARE NOT changing the amount of solute.

- The moles if solute remain _____.

- What will change is _____ hence the concentration will also change.

Can set up the equation : $$M_iV_i = M_fV_f$$

Where $M_i =$ $V_i =$
         $M_f =$ $V_f =$

Think about the units…

That should make sense…

Try this… 1000.0 mL of water is added to 300.0 mL of 5.00 M H_3PO_4. Determine the new conc.

"There are more of them than us." ~ Herb Caen