Chemistry		Name	
Chapter 19 – Acid & Bases (neutralization	on reactions & titrations)	Date	Block
Neutralization Reactions			
Double replacement reactions between	an	_ and a	·
Always produce and		·	
• Examples			
\circ HCl + KOH \rightarrow			
$\circ \ \ H_2SO_4 + Ca(OH)_2 \rightarrow$			
\circ HNO ₃ + NaOH \rightarrow			
$\circ \ \ H_2CO_3 + Mg(OH)_2 \rightarrow$			
Titrations			
A way to determine the	of an		_ or
solution using the con			
• Standard solution – the solution of kn	nown concentration in a	a titration.	
• End point – Reached with the	changes _		permanently.
• The end point is close, but not exactly,	the		, which
is when the acid and base have			·/
Steps to calculation a titration problem	em:		
 Step 1: Find the 	_ (using molarity) of th	ne	solution.
 Step 2: Use a 	to find th	ne number o	of moles of the

o **Step 3:** Calculate the ______ of the unknown solution using the

• You could also be asked to calculate the volume of the unknown solution

_____ and calculated moles.

needed if the molarity were known instead.

unknown solution.

