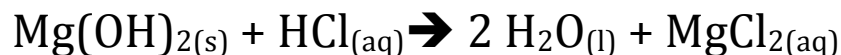


Neutralization Lab



* $\text{Mg}(\text{OH})_2$ is insoluble

* MgCl_2 is soluble

1. Put on your goggles.
2. Put 25 g of $\text{Mg}(\text{OH})_2$ in a beaker.
3. Add 100 mL of water and stir with a glass rod.
4. Add 3 drops of universal indicator.
5. While stirring, add 3 M HCl, drop by drop until the solution becomes clear.
 - a. What happens to the pH as your do the experiment?
6. When the solution is clear, all of the $\text{Mg}(\text{OH})_2$ has been neutralized by the $\text{HCl}_{(aq)}$.
 - a. What is the pH?