**Limiting Reactant Lab I**

**Problems:**

1. **If you put Mg into 10ml 1.5 M H2SO4, what will happen to the pH?**
2. **If you put 1 scoop of baking soda into 10 ml of 1.5 M H2SO4, what will happen to the pH?**
3. **How can you calculate the limiting reactant of the 2 reactions above?**

**Material: H2SO4, G. cylinder, beaker, UI, Mg and baking soda.**

**Data:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Mass** | **Moles** | **pH of acid before** | **pH of acid after** | **L.R of reaction 1** | **L.R. of reacntion 2** |
| **10ml of 1.5 M H2SO4** | **x** |  | **x** | **x** |  |  |
| **Mg** |  |  |  |  | **x** | **x** |
| **NaHCO3** |  |  |  |  | **x** | **x** |

**Be sure to calculate 2 limiting reactants.**

**Conclusion. From notes.**