**Acids and Carbonates**

**Aim:** To determine the products of reactions between acids and carbonates.

**Hypothesis:** I think that when an acid and a carbonate react, \_\_\_\_\_\_ will be produced.

**Method:**

1. Safety glasses on
2. Collect equipment
3. Put 1cm of dilute HCl and 2 drops of Universal indicator in a boiling tube
4. Add a small amount of a carbonate
5. Use a delivery tube to bubble the gas through limewater
6. Record observations
7. Repeat 3-5 for different carbonates

**Results:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Carbonate** | **Initial pH** | **Final pH** | **Observations** | **Order of Reactivity** |
| magnesium carbonate |  |  |  |  |
| sodium carbonate |  |  |  |  |
| potassium carbonate |  |  |  |  |
| barium carbonate |  |  |  |  |
| copper carbonate |  |  |  |  |

**Conclusion:**

Agree/disagree with hypothesis:

Explanation:

Improvements: