**Acids:**

* An acid is a solution that has an excess of H+ ions. The more \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, the more acidic the solution.
* It comes from the Latin word acidus that means \_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_.

**Properties of an Acid:**



**Uses of Acids:**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = Vinegar

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = In fertilizers, steel, paints, and plastics.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = lemons, limes, & oranges.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = Vitamin C which your body needs to function.

**What is a base?**

* A base is a solution that has an excess of \_\_\_\_\_\_\_\_\_\_\_\_.
* Another word for base is \_\_\_\_\_\_\_\_\_\_\_\_\_.
* Bases are substances that can accept \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Properties of a Base:**



**Uses of Bases:**

* The \_\_\_\_\_\_\_\_\_\_\_\_\_\_ ions interact strongly with certain substances, such as dirt and grease.
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are examples of familiar products that contain bases.
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a basic solution.

**pH Scale:**

* pHis a measure of how \_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_ a solution is. The pH scale ranges from \_\_\_\_ to \_\_\_\_.
* \_\_\_\_\_\_\_\_\_\_\_ solutions have pH values below 7
* A solution with a \_\_\_\_\_\_\_\_\_\_\_ is very acidic.
* A solution with a pH of 7 is \_\_\_\_\_\_\_\_\_\_\_.

**Acid – Base Reactions:**

* A reaction between an acid and a base is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* An \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_is not as acidic or basic as the individual starting solutions.