Name: _____ Date: _____

Acids and Bases Lab

Today you will testing whether or not certain substances are acids or bases. You will be doing three tests on each substance to determine this: pH paper, litmus tests, and acid/base/neutral paper tests.

1. You have 9 substances in the cups at your lab station. Each are labeled with the appropriate name and listed in the table below.

2. Dip the paper from the acid/base/neutral tube into the first substance. Determine if the substance is an acid, base, or neutral substance. Record observation in the correct column.

3. Using a new strip for each substance, repeat this process.

4. The next test is the litmus test. This will serve as a “double check” for your first test. If your observations from the first test indicated the substance was an acid, use the blue litmus paper. It should turn red. If you think the substance was a bse, use the blue litmus paper, it should turn blue. If the substance is neutral, use the neutral paper. Record your result under the litmus column

5. The final test is to determine the number of the substance on the pH scale. Use the pH Hydrion Paper. Dip a strip into each substance. Wait 30 seconds for the paper to change and compare with the scale on the tube. Record the number that the color matches in the correct column on the data table.

Substance	**Acid, Neutral, Base Paper (Is it a base, acid, or neutral?)**	**Litmus Test (Double check with correct litmus paper)**	**pH Paper Strips (List a number for the matching color)**
Tap Water			
Coffee			
Salt Water			
Pop			
Baking Soda in Water			
Lemon Juice			
Vinegar			
Laundry Detergent			
Ivory Soap Water			