**Chapter 2 pH LAB**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hr. \_\_\_\_\_**

**Procedure:**

1. **Place a piece of pH paper of a paper towel. Use the pipette to put a drop of solution on the paper.**
2. **Read the pH within 30 seconds, match it up on the pH chart and record on the data table.**
3. **Repeat for all the solutions with a new piece of pH paper.**
4. **When finished, wrap the used pH paper up in the paper towel and put it in the trash. Return unused pH paper to your teacher.**
5. **For the third column determine if the pH makes it an acid, base or neutral.**
6. **For the fourth column, list a use for that solution i.e. drinking, cleaning, cooking, etc.**

**Post Lab Questions:**

1. **Which solution(s) had the highest pH? Was this solution(s) an acid or base?**
2. **Which solution(s) had the lowest pH? Was this solution(s) an acid or base?**
3. **What have you learned about acids and bases from doing this Lab? Did any of the solutions surprise you with their readings?**

**Lab Data Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **Solution** | **pH** | **Acid/Base/Neutral** | **Use** |
| **Soap** |  |  |  |
| **Lemon Juice** |  |  |  |
| **Milk of Magnesia** |  |  |  |
| **Kool-Aid** |  |  |  |
| **Pledge** |  |  |  |
| **Table Cleaner** |  |  |  |
| **Soda** |  |  |  |
| **Coffee** |  |  |  |
| **Saliva** |  |  |  |
| **Drain Cleaner** |  |  |  |
| **Ammonia** |  |  |  |
| **Milk** |  |  |  |
| **Distilled Water** |  |  |  |
| **Vinegar** |  |  |  |
| **Gatorade** |  |  |  |