

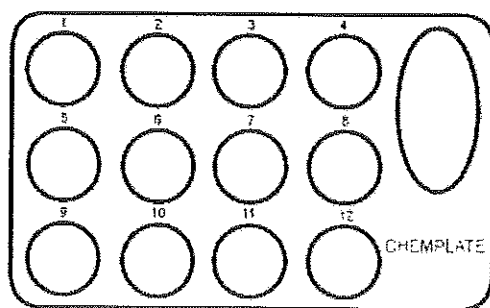
# Lesson 1: Identifying Acids and Bases

Name \_\_\_\_\_ # \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

Solution			
Solution	Chemplate #	Color Change	Acid / Base / Neutral
Diluted ammonia	1		
Rubbing alcohol	2		
Liquid detergent	3		
All-purpose cleaner	4		
Apple Juice	5		
Shampoo	6		
Dissolved aspirin	7		
Dissolved baking soda	8		
Dissolved baking powder	9		
Dissolved corn starch	10		
Hydrogen peroxide	11		
Lemon juice	12		
Window Cleaner	13		
Milk of magnesia	14		

## Lesson 1-Day 2

### Testing the pH of Household Solutions



#### Procedure

##### PART 1-Gathering supplies

1. Have your Materials Manager start at **STATION 1** and get **1 mL** of that solution. Put that solution in **Well #1** on your **chemplate**.
2. Move on to **STATION 2** and get **1 mL** of that solution and put it in **Well #2** on your **chemplate**.
3. Repeat this for each Station until you have all 10 Wells filled on your **chemplate** with the **CORRECT** solution.
4. When you return to your seat, place a **white paper towel** under the **chemplate** on your desk.

##### PART 2 -Testing Substances

1. Add **1 mL** of indicator solution to **chemplate Well #1** and record the **color change** on your data table. Also indicate whether the solution is an **acid** (red), **neutral** (purple), or a **base** (blue).
2. Repeat this for each of your 10 Wells and make sure you have the color and whether it is an acid, base or neutral.

##### Part 3 - Clean Up

1. Place your chemplate in your plastic box and dump the contents in the sink.
2. Rinse both thoroughly.
3. Dry both thoroughly.
4. Show to your teacher!