



Household Mysterious Chemicals

Name _____

Date _____

Period _____

Establishing a color key. What color does cabbage juice turn in the following chemicals?

Acid _____ Base _____ Neutral _____

A. Procedure:

1. Measure 15 drops of the first liquid into cup A.
2. Measure 15 drops of cabbage juice into the same cup.
3. Record the color of the mixture into the data table below.
4. Identify the liquid as an acid, neutral, or a base.
5. Repeat procedure until you have used all five cups.
6. Rinse out tray with water, dry, and repeat above procedure until you have tested all the chemicals.



Name of Chemical	Color it turns in Cabbage Juice	Acid, Base, or Neutral?
Aspirin		
Drano		
Baking Soda		
Vinegar		
7-up / Sprite		
Water		
Ammonia		
Lemon Juice		
Soapy Water		
Alka Seltzer		
Tums Tablets		
HCl		



B. Pick a liquid that tested **pink**. _____ Pick a liquid that tested **green**. _____
 Mix 15 drops of each liquid together in the same cup. Add 15 drops of cabbage juice.
 What color is the mixture? _____ Which liquid is stronger? _____
 How do you know? _____

C. Pick a liquid that tested **pink**. _____ Pick a liquid that tested **green**. _____
 Mix 15 drops of each liquid together in the same cup. Add 15 drops of cabbage juice.
 What color is the mixture? _____ Which liquid is stronger? _____
 How do you know? _____