TESTING PH

Names (2): _____

_____

Block: _____

In this lab you will use a "universal indicator" solution to determine the pH of several substances. You will then arrange the substances in order from the most basic to the most acidic. You will be shown how to use the universal indicator before the experiment.

pH 2.0 – Red
pH 3.0 – Red-Orange
pH 4.0 – Orange-Red
pH 5.0 – Orange
pH 6.0 – Yellow
pH 7.0 – Yellow-Green
pH 8.0 – Green
pH 9.0 – Green-Blue
pH 10 – Blue

1. Your spot plate will likely have residue from previous labs. Rinse and dry it before starting the experiment.
2. Put one drop of each solution (A-F...) and one drop of universal indicator into the hollows of the spot plate.
3. To determine the pH of the solutions, compare the color of the reactions with the color code to the right. Write the pH in the table below.
4. Empty the spot plates into the sink. Rinse and dry with a paper towel.

Substance	pH
A (Vinegar)	
B (Baking Soda)	
C (Drano)	
D (Lemon Juice)	
E (Ammonia)	
F (Bleach)	
Tap Water	

List all of the substances you tested from most basic to most acidic in the box to the right. Include the pH (in brackets) beside each substance. (See the example)

Answer the questions on the back of this sheet, then hand it in.