From Farm to Food



pH Scale

_	pH Number	
Acid Mine Runoff	-3.6 – 1.0	Very Acidic
Battery/Hydrochloric Acid	- 0.5	
Gastric Acid	1.5 -2.0	
Lemon Juice	2.4	
Cola	2.5	Acidic
Vinegar	2.9	
Orange/ Apple Juice	3.5	
Beer	4.5	
Acid Rain	5.0	
Coffee	5.0	
Tea/ Healthy skin	5.5	
Milk [6.5	
Pure Water	7.0	Neutral
Healthy Human Saliva	6.5 -7.4	
Blood	7.34 -7.45	 Alkaline
Sea Water	8.0	Aikaiiie
Hand Soap / Baking Soda	9.0 –10.0	
Ammonia	11.5	
Bleach/ Oven Cleaner	12.5	↓
Liquid Drain Cleaner	13.5	Very Alkaline

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pH Experiment

You will be working in groups and need the following:

Are these Acid or Alkaline? Find out using these:

Lemon **Pink Litmus Paper** Vinegar **Blue Litmus Paper Baking Soda Solution** Paper & Pencil Water **Dropper Bottles**

Step 1: Check to see that you have each of the items listed above

Step 2: Write out each item you are testing in the left hand column & work as a group to make your prediction

Step 3: Take turns to test one item with the blue and pink strip of litmus paper and note the results

Step 4: You can use the dropper bottle to put a drop of vinegar on a piece of litmus paper

ITEM	Prediction: Do you think this is Acid or Alkaline	Did the Blue Litmus paper turn Pink ?	Did the Pink Litmus paper turn Blue?	Is this an Acid or an Alkaline ?

Remember

- Blue Litmus paper turns pink when it touches an alkaline substance
- Pink Litmus paper turns blue when it touches an acidic substance