

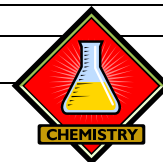
pH Home Lab Tests

Name _____

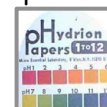
Period _____

Reference: Central Science → Physical Science → pH Chart

Background Information:



- Litmus Paper** is used to test for pH:
 - RED Litmus** turns **BLUE** in B ____.
 - BLUE Litmus** turns **RED** in ____ D.
 - NO** change for both in N _____.
- pH testing paper** comes in different ranges of pH for different applications of pH testing. Our paper tests for pH's from 1 to 12. You must use the chart that matches your testing paper. Use the online chart (Central Science → Physical Science → pH chart)
- pH testing paper requires liquid. Add water for **SAFE** solid substances.
- Get Permission. BE SAFE. DO NOT USE DANGEROUS SUBSTANCES.**



Procedures:

- Obtain pH testing paper and both red and blue Litmus Paper to take home.
- At home, choose safe liquids or solids that you can dissolve in water such as baking soda, sugar or soap powder. Fill in the chart as you go.
- PREDICT first!
- Test with a small piece (1-2 cm) of each testing paper, **ONE AT A TIME**.
- In chart, record **FIRST** wet **COLOR** for **EACH** paper. Record as you go.
- Complete the chart.
- Attach all papers. 2 points each



Substance	Predict : Acid, Base or Neutra l?	Color of Litmus Paper when first wet Blue Red	Litmus Results: Acid, Base or Neutral ?	Color of pH Indicator Paper when first wet	pH number from pH Chart	pH Paper Results: Acid, Base or Neutral ?	Attach test papers here:
1							
2							
3							
4							
5							
6							
7							
8							

Have Checked _____

Other pH Indicator Liquids: 5+ points

- Choose another juice or safe liquid to use as a pH indicator.
- Make a chart.
- Test some known acids and bases from above, such as vinegar, baking soda & water.
- Record your data.
- If it works**, more points for bringing some of your Indicator liquid to class to test.