





Chemistry Activity

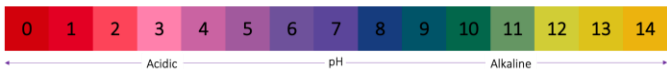
Investigating pH Levels

Materials:

- A. pH indicator solution
- B. vinegar
- C. baking soda
- D. 2 pipettes

A	B	C	D
			

pH Indicator Chart



1 Challenge

Determine the pH of baking soda and vinegar. **What do you predict is the pH of each item?** Record your response below.

1. Use the pipette to place pH indicator solution drops in the test tube with the baking soda.
2. Notice the color change. Use the pH indicator chart to match the color and determine the pH. Record the pH below.
3. Repeat steps 1 & 2 for the vinegar.

	Prediction	Actual Value		Prediction	Actual Value
Baking Soda	<input type="text"/>	<input type="text"/>	Vinegar	<input type="text"/>	<input type="text"/>

4. How did your predictions compare to the actual values?

2 Exploration

Find other household products and use the pH indicator solution to measure their pH. Try to find a product for each pH level! Be very careful when mixing chemicals – some could be dangerous. Safety goggles and gloves should be used.

