

pH EXPERIMENTS at home

LIST OF MATERIALS

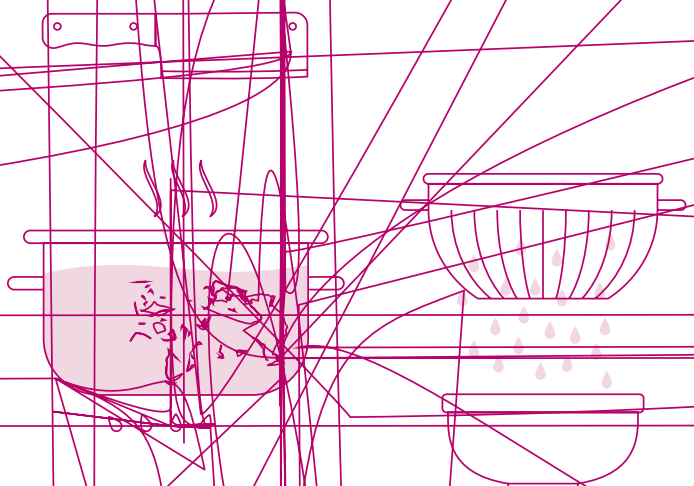
HEAD OF RED CABBAGE
1 LARGE POT
WATER

HOUSEHOLD ITEMS TO TEST: LEMON JUICE, MILK, SODA
FRUITS/VEGGIES: BLUEBERRIES, BEETS, FLOWER PETALS

Here is a method for creating your own pH indicator at home.

Cut up about a half head of red cabbage and place it in a pot. Pour in just enough water to cover the cabbage, then boil the water for about one hour. Allow the water to cool, then strain out the cabbage and keep the liquid. You should be left with a liquid that is either purple or blue in color. The color of the liquid will change depending upon the pH.

Next, test various household solutions with indicators such as lemon juice, milk or soda. Add some of the liquid from above to a small amount of fruit or veggie you want to test and note the color change. It's important to use separate containers for each household solution;



COLOR	pH
R	2
P	4
V	6
B	8
B	10
Y	12

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