-JR-SCIENTISTS CABBAGE CHENISTRY This cabbage science experiment is fascinating.

This cabbage science experiment is fascinating. Amazing chemistry for kids with simple food!

INSTRUCTIONS:

STEP 1: Cut your red cabbage into small pieces.
(This experiment will require adult help/supervision.)
STEP 2: Place your cut up cabbage in a medium saucepan and boil for 5 minutes. After the 5 minutes, cover and let it rest for 30 minutes.
STEP 3: Carefully pour the liquid into the jars.
STEP 4: Now add your acids and bases. Add

SUPPLIES

Red cabbage Several jars or small containers Lemons Baking soda Other acids and bases to test pH test strips (optional

lemon juice to one jar, and baking soda to the next.

STEP 5: Try various other substances and record your results!

THE SCIENCE

What's an acid? On a pH scale acids usually, register above a 7 and are brighter in color when you use a piece of litmus. If you ask the kids about what types of things around the house are acidic, they might say vinegar or lemons. An acid is usually recognized as something with a sour or sharp taste.

Red cabbage contains anthocyanin which is a water-soluble pigment. This pigment changes color when it is mixed with an acid or a base. More red when mixed with an acid and more green when mixed with a base.

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Cabbage PH Observa Use this worksheet to process and evaluate your wo	
RECORD	
Liquid #1	PH level/color
Liquid #2	PH level/color
Liquid #3	PH level/color
Liquid #4	PH level/color
What did you learn about acids, bases, and PH?	