



## ACID BREATH

### Instructions

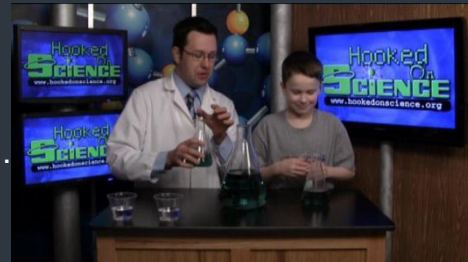
**STEP 1:** Have an adult cut the red cabbage into slices.

**STEP 2:** Place about 2 cups of red cabbage into an empty bowl.

**STEP 3:** Pour enough boiling water to cover the red cabbage and allow to set for 10 minutes.

**STEP 4:** Pour the liquid into a transparent glass.

**STEP 5:** Using a straw blowing into the glass of red cabbage juice until the color changes.



### Ingredients

- Red Cabbage
- Transparent Glass
- Straw

A	pH 14	Sodium Hydroxide	14.0
L		Liquid Drain Cleaner	14.0
K	pH 13	Potassium Chloride	14.0
A		Bleach	12.6
L	pH 12	Dish Water	12.0
I		Calcium Chloride	12.0
N		Toxic Alkaline Water	11.0
E	pH 11	Ammonia	11.0
		Magnesium Hydroxide	10.5
	pH 10	The Dead Sea	10.0
		Unsafe Alkaline Water	9.5
	pH 9	Magnesium Water	9.0
		Baking Soda	8.3
	pH 8	Ocean Water	8.2
		Bad Alkaline Water	8.0
		Well Water	7.6
	Neutral > 7.0	Lab Created Water	7.0
		Avocados	6.6
A	pH 6	Reverse Osmosis Water	6.5
C		Beef	5.6
I	pH 5	Pumpkin	5.0
D		Black Berries	4.2
I	pH 4	Nectarines	4.0
C	pH 3	Peaches	3.8
		Lactic Acid	2.4
	pH 2	Lemons	2.4
		Limes	1.6
	pH 1	Hydrochloric Acid	1.1
	pH 0	Sulfuric Acid	0.3

### Explanation

A pH scale is used to determine if a liquid is an acid or base. Acids are between 0 and 7. Bases are between 7 and 14. As you blow into the red cabbage juice, the carbon dioxide gas in your breath turns the water acidic; therefore the water turns a dark pink. The color will vary depending on how long you blow your breath into the red cabbage juice.

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