



Let's Use Red Cabbage as pH Indicator



There are a lot of aqueous solutions around us. So, let's observe the ingredient of it using the liquid of red (purple) cabbage.



point

Acid Alkali Neutral

Materials

Purple cabbage
Egg case
Plastic bag
Salt
Water
Clear liquid(Ex, sugar water, lemon liquid)



How to do

How to make liquid of Red (Purple) cabbage

1 Tear the leaf of cabbage.



Tear the Cabbage

2 Put a pinch of salt in bags

3 Rub the cabbage as shown in the photo.



Put the salt and rub

4

Put only purple liquid in the clear glass.

□ You can make that liquid using another way. For example, using alcohol or boiling the cabbage.



Colored liquid came out

How to do

Put the liquid like sugar solution, lemon liquid, and so on in egg container. Then add the liquid of cabbage. How does the color change?



Before



Add the liquid of cabbage



Change of color



After

☀️ Progress

◆ RED = Acid GREEN = Alkali NO CHANGE = Neutral

◆ Let's observe the component of river, rain, and water that are near to you.