

growing opportunities. the yogurt. And bacteria will have limited the chance that fungi or yeasts will spoil between 3.7 and 4.5. This will decrease Yogurt is an acid product with a pH value

Put a drop of liquid (or yogurt) on the the red cabbage juice and let them dry. coffee filter paper in stips, put them in paper to measure pH values. You can cut You can also make pieces of indicator Yariation in measuring acidity:

!ebis qih edi no eles paper. Then compare the colour with the pH wait and see the change in colour on the paper with a small spoon or pipette. Just

found at togethersciencebus.eu. yogurt and additional information can be The instructions for making your own

collecting folk remedies do it together & find out how things work Make your own pH meter

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more acidic your product is). higher the level of acidity (and thus the its pH value. The lower this value, the The acidity of a product is expressed by Introduction

D*O-IT-TOGETHER*

Dibios yaev si 1 Hq

- (tap water) (tap water)
- (bibe PH 14 is νery alkaline (the opposite of

.fentuen (enom) with something alkaline it will become can clearly taste. If you combine acid Juice and sodas are very acid, which you Milk or water are normally neutral. Lemon Detergents and soap are usually alkaline.

:ifJesnuoy ji ob bne instructions on the inside of this leaflet purple juice as a PH meter! Follow the grinding the cabbage and using the dark different pH values. You can extract it by magical substance that changes colour at with red cabbage juice. This contains a of acidity. Such a measurer can be made Mith a pH meter you measure the level



Make your own pH meter

How acid is a liquid or the soil? Make your own pH meter and measure the pH values of for example your yogurt, milk, water or your garden soil.



For testing the values of yogurt, water or other liquids: follow steps 1, 2, 3 and 4.



For testing soil: follow steps 1, 2, 5 and 6.



Pour two glasses of water in the blender and add 4 leaves of red cabbage. Grind this as fine as possible, no large lumps should remain.



Put a coffee filter in the funnel and pour the mixture from the blender in it. Collect the juice in a bottle.



Put two marks on the plastic cups. One at 3 cm from the bottom and one at 6 cm from the bottom. Write the name of the liquid you will be testing on it as well. **TIP**: you can remove waterproof markings with 96% alcohol.



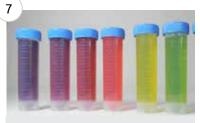
Pour the red cabbage juice until the first mark. Next, pour in the liquid you want to test until the second mark.



Make a mark on the plastic cup at 6 cm from the bottom. Weigh 5 grams of the soil you want to test and put this in the cup.



Pour the red cabbage juice until the mark and stir with a plastic spoon. Wait until the soil descends to the bottom to clearly see the colour of the liquid.



Reading the results on the pH scale:

The colours indicate the following:

- Red or pink: acid.
- Purple or blue: low acidity or neutral.
- Green or yellow: alkaline.