



Anthocyanin examination



Necessary materials and tools:

Red cabbage, purple onion, hourglass, dropper, 10% HCl, 10% NaOH solution.

Description of experiment :

Chop the onion or red cabbage!

Put one piece on hour glass.

Dropp HCl or acetic acid to one of them and NaOH to the other.

Result:

We can notice **red** colour changing from effect of the **acid**.

First you can see the colour of **green** than the colour of **yellow** appearing from the affect of the lye.

Explanation:

The anthocyanin can occur at first in the flower, crop, root, leaves.

The natural anthocyanin derived indicator that chnges colour to indicate the pH.

The aim is that the chemicals reaction changing the molekulas electronconstruction.

The colour is **red** in **acid** agent, **blue inneutral**, than it is **green** but with the increasing of the **lye** it becomes **yellow**.