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★ ★ ★ ★ ★
100% / 1 Stimme

Influenceable (red cabbage in different colors)



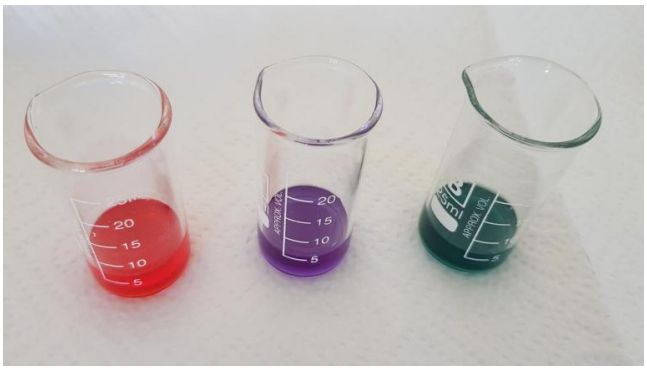
A juice made from red cabbage has a completely different color in an alkaline and acidic environment. This shows how the smallest influences can have a big effect and how creative God is in creation.

Material

- ¼ head of red cabbage
- Vinegar
- Baking soda (or baking powder)
- Washing powder
- Other acidic or alkaline substances (toilet cleaner, bile soap, etc.)
- Knife
- Cutting board
- Mortar (or other container such as a bowl or similar with blunt wood to reduce the red cabbage pulp)
- Sieve or, even better, funnel with filter paper
- At least four glasses

Carrying out the experiment

1. Cut the red cabbage into fine, small pieces.
2. Using a little warm water, crush the red cabbage with a mortar in a sturdy bowl. Alternatively, simply crush the pieces in the bowl with a blunt wooden stick and mix. Add a little more water and mix well.
3. The red cabbage water can now be distributed into the jars through the sieve or using the funnel with filter paper.
4. Now you can carefully add a few drops of the following to the jars:
   - Vinegar
   - Baking soda or baking powder
   - Washing powder
   - Other acidic or alkaline substances (toilet cleaner, bile soap, etc.)
   - Perhaps the children have other ideas..



Left (red): acidic; center (purple): neutral; right (green): alkaline (basic)

Biblical statement

Everything shapes us: It is important to let Jesus shape us.

God was incredibly creative in creation (e.g. Psalm 139:14, Genesis 1:31)

Keywords:
Chemical experiments, chemistry, experiments, acids, bases, pH value

Proof of source

Cover picture: Markus Sigirst
Idea: With the kind permission of the BESJ (Bund Evangelischer Schweizer Jungscharen), slightly modified by Markus Sigrist

Weitere Informationen

Categories
Games and activities

Tags
Experiment
Nature
Creation story
Creative
Colors

Age
8–12 years
13–16 years

Number of participants
1–20

Bible
Topic:

Duration
No data available.

Terrain / surroundings
Meadow
Forest
City

Material
Almost effortless

File download
No file downloads

KI Generierter Inhalt
Contents
Categories
Tags
Age
Number of participants
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