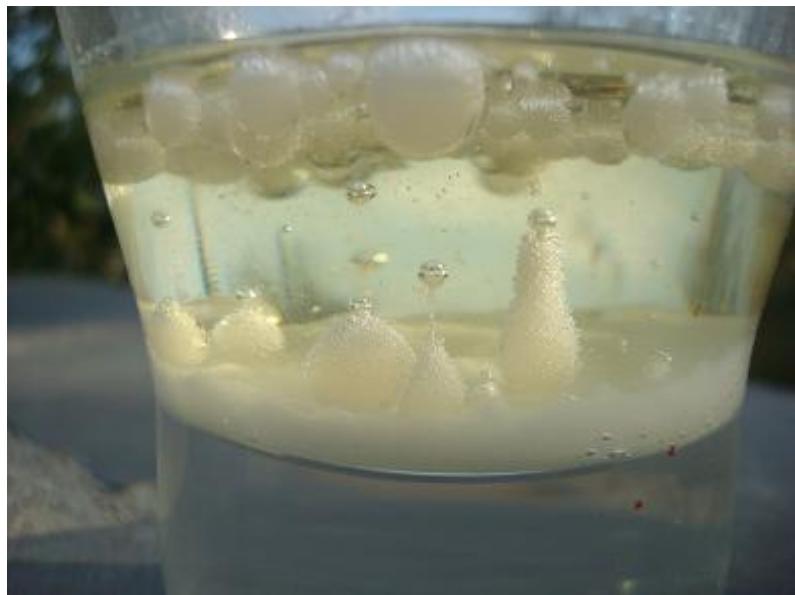


Chemical yo-yo

Mittwoch, den 24. Oktober 2012 um 13:50 Uhr



Make drops of vinegar fly up and down!

Material:



- vinegar,

Chemical yo-yo

Mittwoch, den 24. Oktober 2012 um 13:50 Uhr

- oil,
- baking soda,
- a glass or jar.

Instruction:

At the bottom of the glass pour baking soda layer (about 1 cm. thickness). Soda should not be on the walls.



Then, pour the oil into a container. Get him carefully down the side of the glass, taking care to not mixed with the baking soda. The glass should be filled almost completely.

Chemical yo-yo

Mittwoch, den 24. Oktober 2012 um 13:50 Uhr



Add to the oil a few large drops of vinegar.

Chemical yo-yo

Mittwoch, den 24. Oktober 2012 um 13:50 Uhr



With the help of the baking soda and the water, the yo-yo will be baking the ground

Chemical yo-yo

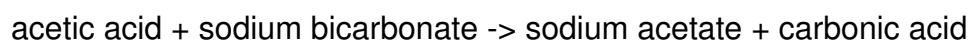
Mittwoch, den 24. Oktober 2012 um 13:50 Uhr



If the experiment is carried out accurately, drops wander up and down like a yo-yo.

Explanation:

Vinegar is an aqueous solution of acetic acid, CH_3COOH . Soda is sodium bicarbonate, NaHCO_3 . Vinegar has a higher density than the oil, that's why it sinks in the glass. When it touches the surface of the soda, comes the reaction:



Chemical yo-yo

Mittwoch, den 24. Oktober 2012 um 13:50 Uhr

