



In The Name of GOD



IYNT 2016

Iran-Shiraz



International Young Naturalist's Tournament



Problem No.11.

- * Reporter: Zeinab Ammari Allahyari
- * Maple group



Corrosiveness of cola:

It is often argued that cola is so corrosive that can be used to clean metal objects. Investigate this property of cola.



Cola

Corrosiveness of Cola

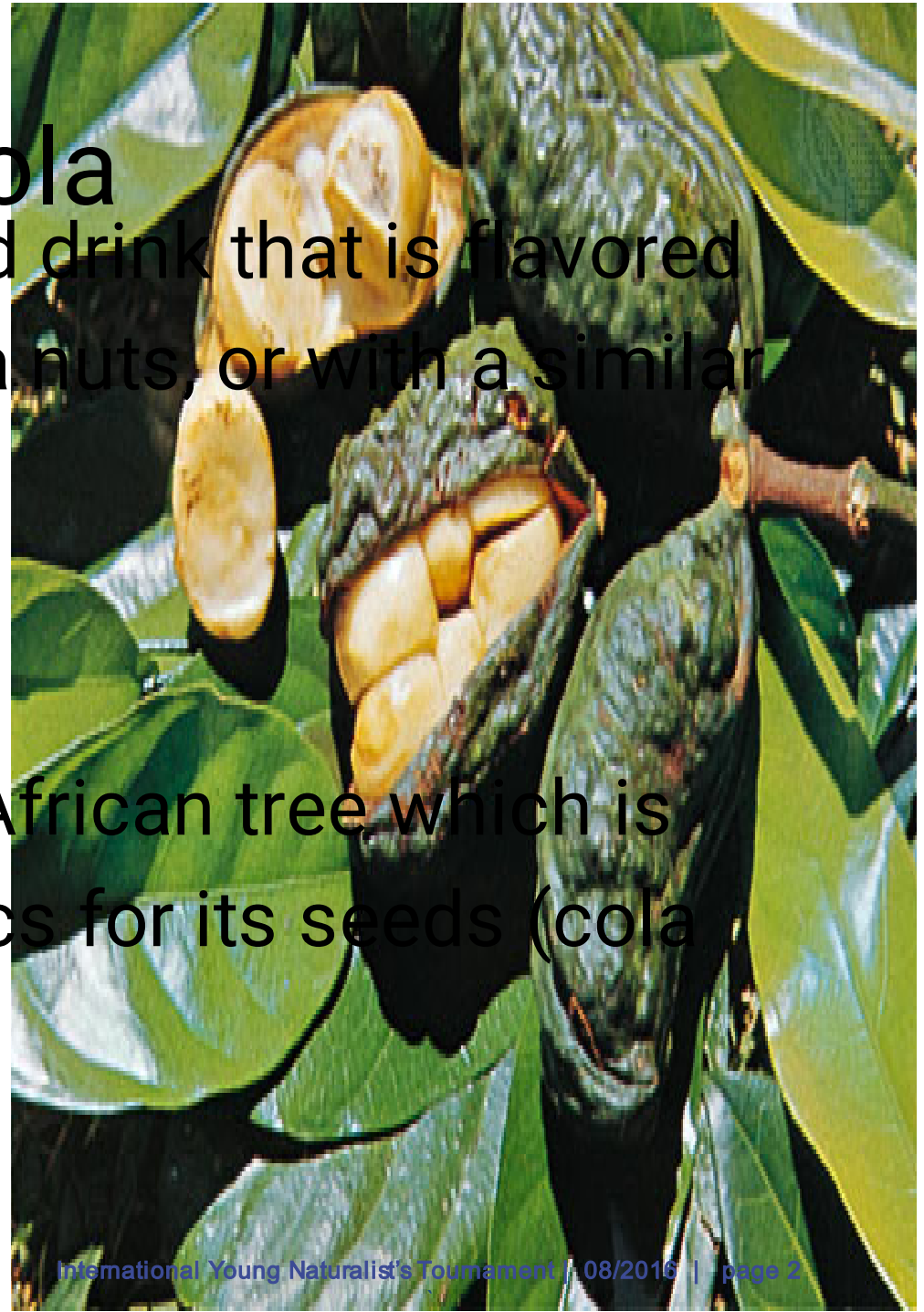
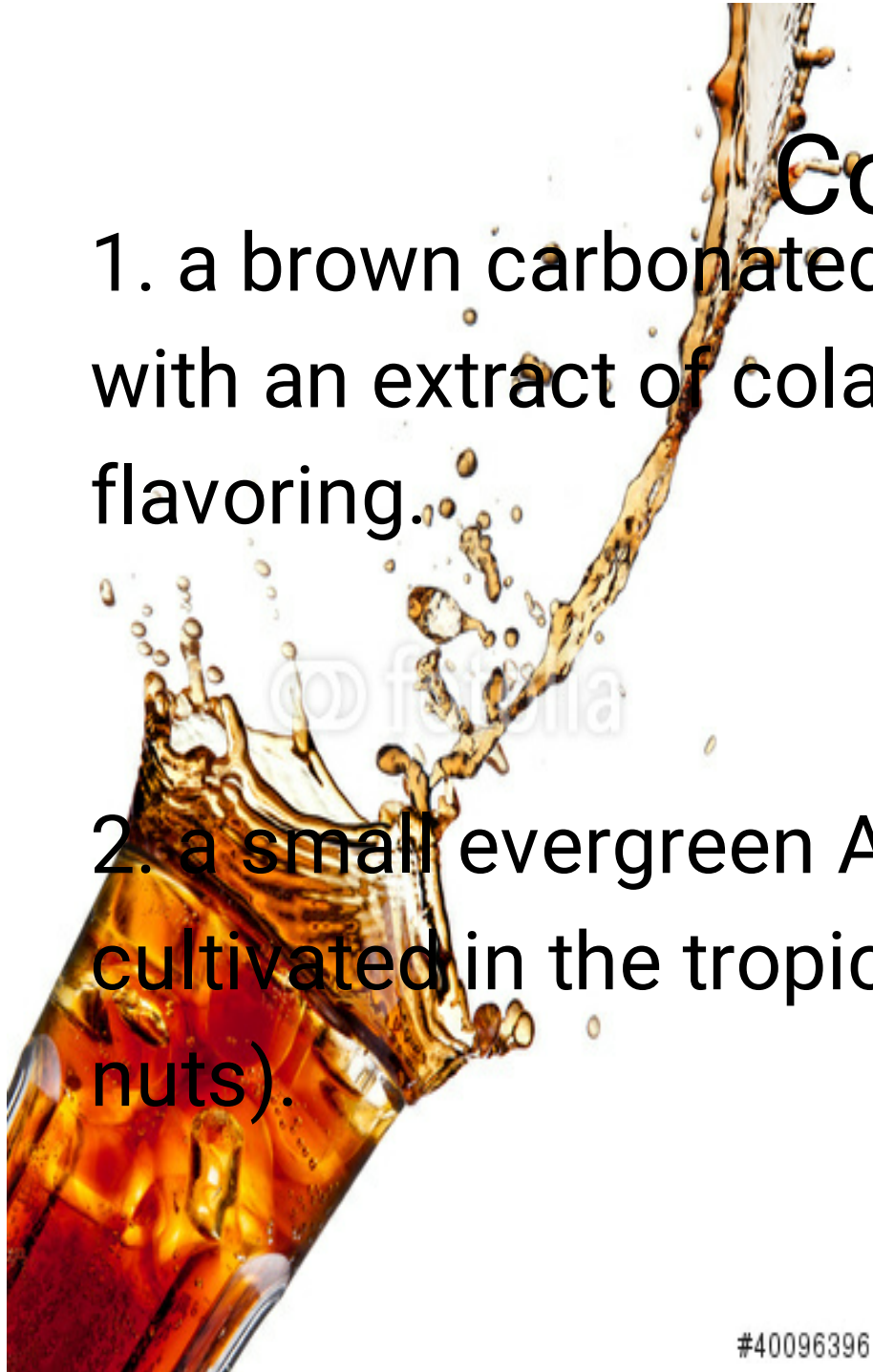


Experiment (clean the metal with cola)

Cola

1. a brown carbonated drink that is flavored with an extract of cola nuts, or with a similar flavoring.

2. a small evergreen African tree which is cultivated in the tropics for its seeds (cola nuts).



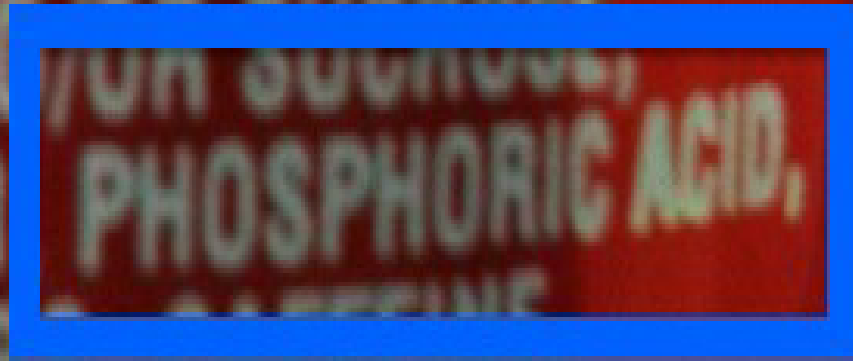
One of the active ingredients in Coca Cola is phosphoric acid. It has a pH of 2.8.

The Coca-Cola logo is displayed in its classic, flowing script font, rendered in a light pink color. It is positioned in the lower right area of the slide, below the main text block.

based on a 2,000 calorie diet.

5 BY 100

CARBONATED WATER, HIGH FRUCTOSE
CORN SYRUP AND/OR SUCROSE,
CAMEL COLOR, PHOSPHORIC ACID,
NATURAL FLAVORS, CAFFEINE



CAFFEINE CONTENT: 34 mg/12 fl oz.

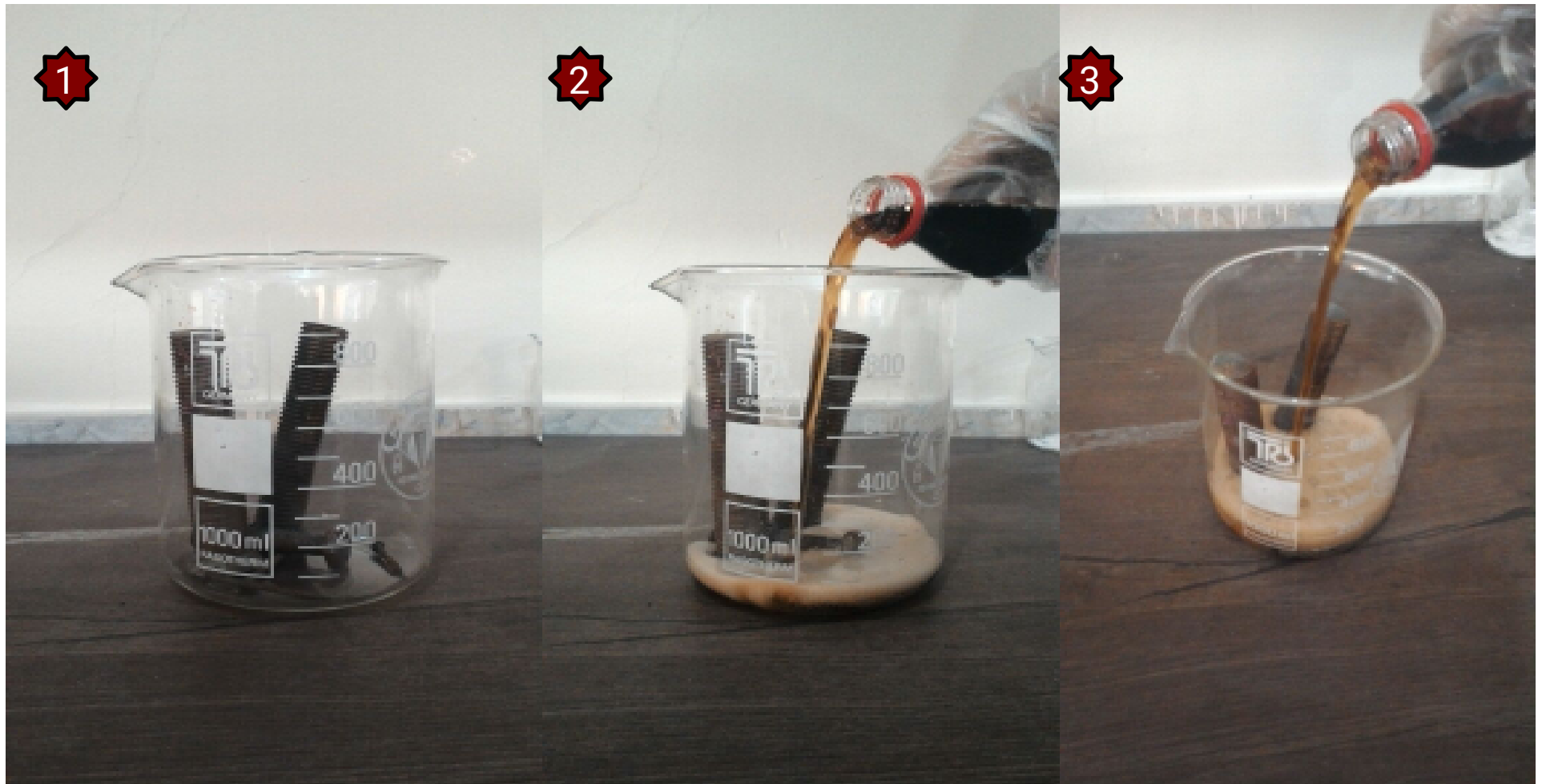
2010-5517 11.27 FL OZ (S)

A clear plastic bottle with a yellow cap is lying on its side on a light-colored wooden surface. The bottle is partially filled with a dark liquid, likely cola. The text is overlaid on the bottle.

Experiment No.1: cola cleans the metal objects!

What do we need?





After 2 hours, I washed the metals & saw they get cleaned!!!

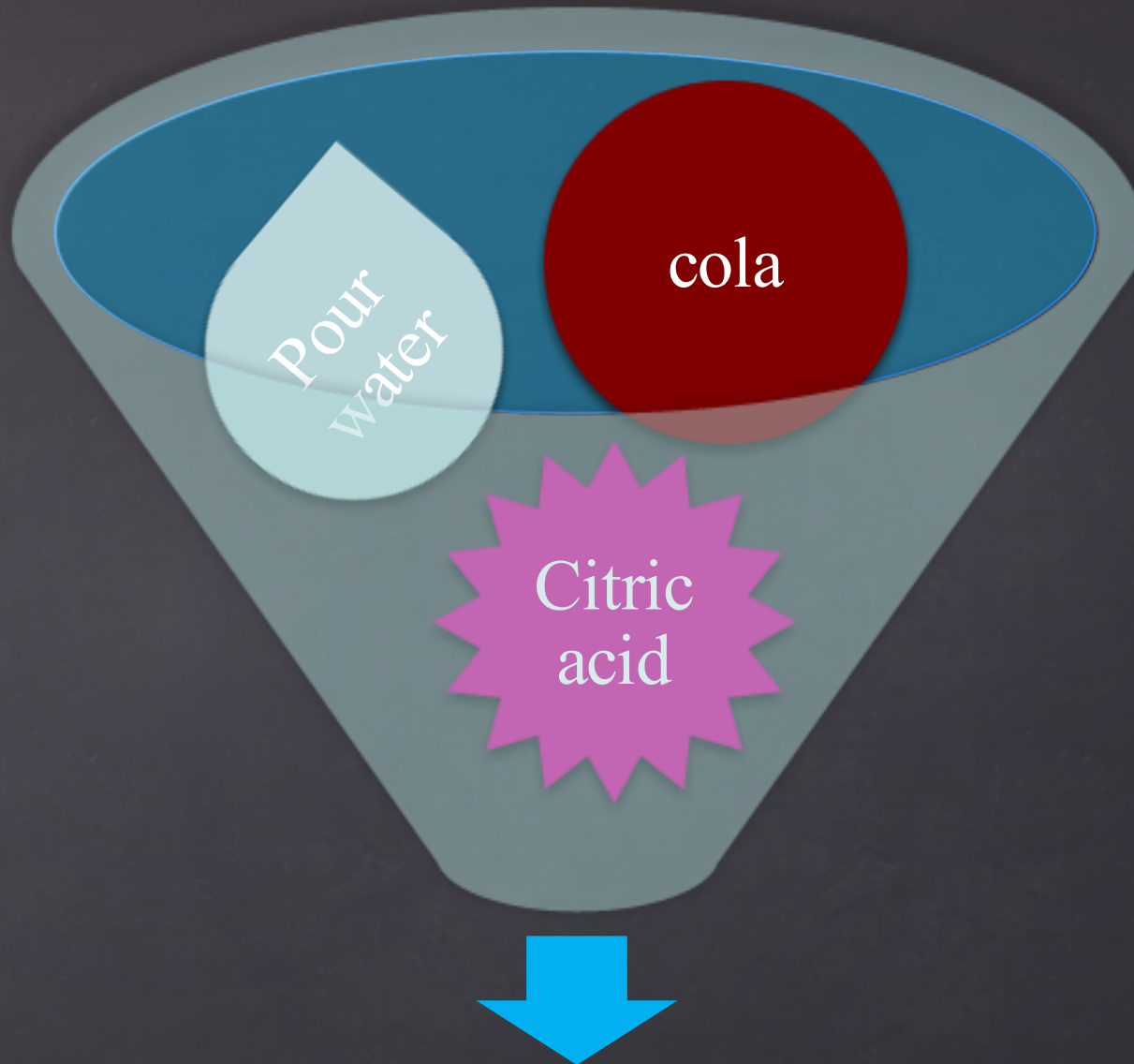


Experiment No.2: cola metal cleaners!

What we need?



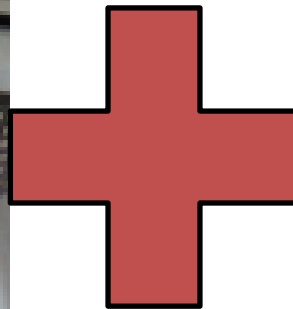




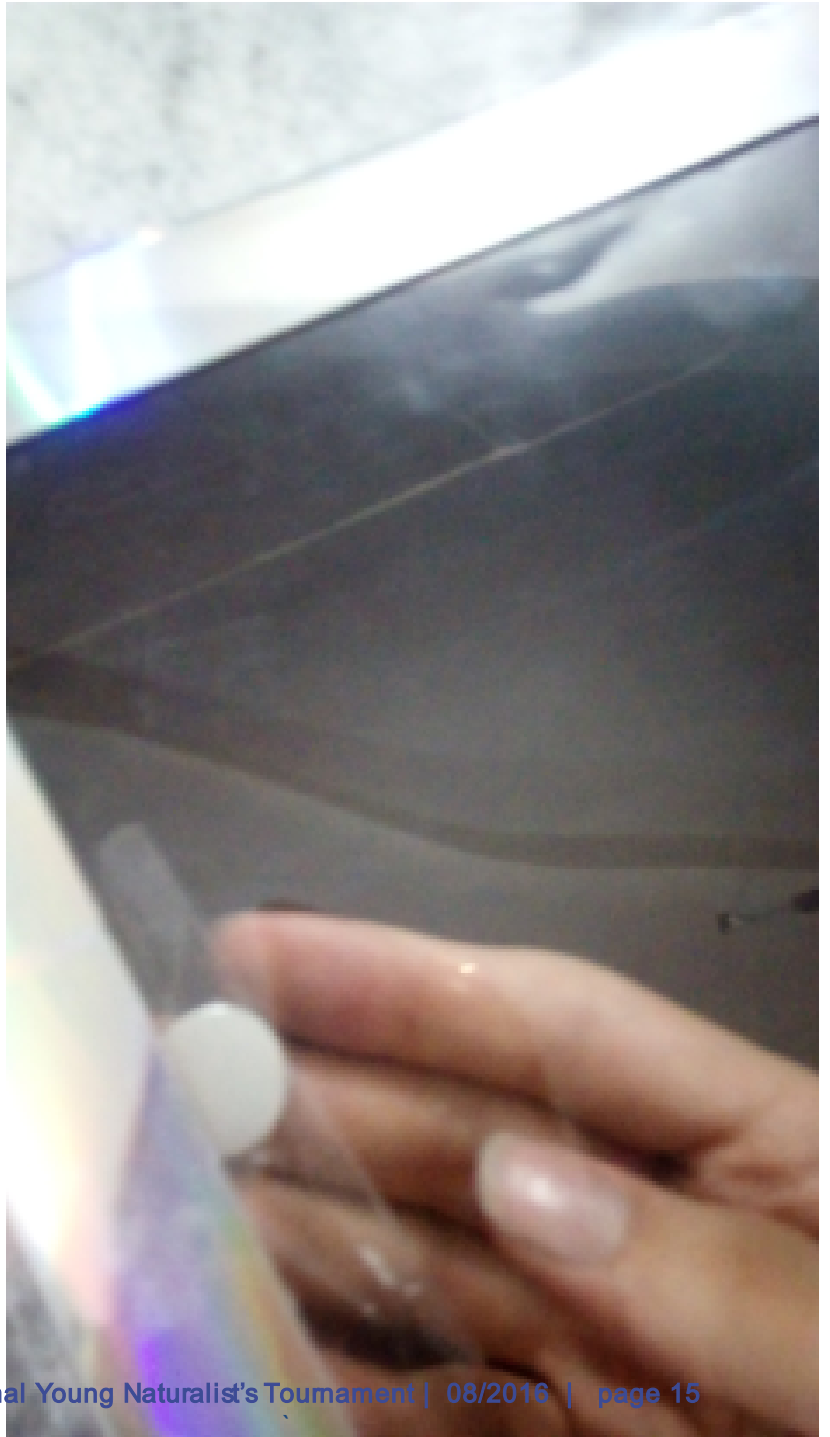
Cola cleaner solution



Experiment No.3:
cola metal cleaners!









What do you think about them?

Sources:

- * <http://greencleaningproductsllc.com>
- * <http://www.wikihow.com>
- * <http://www.vam.ac.uk>

The image features a blurred background of a road with a white line, set against a yellow sky. A semi-transparent white box with rounded corners is centered over the road, containing the text "Thank you for your attention" in a bold, black, sans-serif font.

**Thank you
for your attention**