

Student experiment
(1st - 4th grade)

Acids in sweets

🕒 Time: max. 15 min.

Safety:

Instruments:

- two glasses

Chemicals:

- indicator paper
- winegums (or other sweets such as gummy bears)
- a lollypop
- water

Experiment:

- Place 2-3 winegums in glass 1 and barely cover them with water. Do the same in a second glass with the lollypop.
- Let the glasses sit for a few minutes and stir them occasionally to aid in dissolving the sweets.
- Dip a piece of indicator paper into glass 1 and observe the color change. Repeat for glass 2. What do you observe?

Advice for the teacher:

The pupils should learn that sweetness does not give a direct indication of whether acids are in sweet foods or not. Eating too many sweets can therefore often lead to a sour stomach and the unpleasant problems associated with it.