

How Do Teeth Decay?

HEALTH

Get ready

Prepare eggs (1 for each group) for the experiment 2-3 days before the lesson

Mark one half of each hard-boiled egg with an "X" using a marker pen. Smear this half with toothpaste. When the toothpaste dries, put the eggs into the fridge and leave them there for 2-3 days. On the morning before class, wash the toothpaste off the eggshells with water. In addition, you can use a paper towel to remove the toothpaste.

Or you can prepare the eggs in the same way together with students in school a few days before the lesson.

Students bring their own toothbrushes to class.

GET GOING

Observing: What is a tooth composed of?

- ☐ white ceramic or porcelain cup (or white ceramic tile) - 1 for each group
- ☐ yellow sponge - 1 for each group
- ☐ jelly beans (for example bear-shaped jelly beans – or any shape with protrusions) - several

Experiment: How do acids act on enamel?

- ☐ marker pen (preferably a dark colour)
- ☐ several hard boiled eggs – 1 for each group
- ☐ 0.26 (1 l) gallons white vinegar
- ☐ paper towel
- ☐ transparent plastic cup or jar or glass – 1 for each group
- ☐ toothpaste with high fluoride content (perfect) or ordinary fluoridated toothpaste (good enough) – preferably one tube for each group
- ☐ toothbrush for each group

Manual exercise: What is the correct way to brush your teeth?

- ☐ toothbrush for each student – ask students to bring their own toothbrushes to the lesson + a few extra (for the forgetful)

GET PRACTICING

Manual exercise:

- ☒ **We provide:** Worksheet_teeth.pdf

