

# experiments

## The Power of Fluoride

This experiment simulates the protection power of Fluoride.

*What you'll need:*

1 bottle of Fluoride rinse solution (available from your dentist, local dental supply company and some pharmacies)

2 eggs

1 bottle of white vinegar

3 containers

*What to do:*

Pour four inches of Fluoride rinse solution into one of the containers and then place an egg in the solution. Let it sit for five minutes. Remove the egg. Pour four inches of vinegar into each of the remaining two containers. Put the egg that has been treated with the Fluoride into one container of vinegar and the untreated egg in the other container of vinegar.

*What will happen:*

One egg will start to bubble as the vinegar (an acid) starts to attack the minerals in the egg shell. Which egg do you think will start to bubble?

Note: with any science experiment, it is recommended you have an adult present for supervision.