

Name: .....

Class: .....

# Eggsperiment Method & Activities

Please note: This experiment requires several days between steps. The egg needs to be left in toothpaste for 4 days and then in vinegar for 9 hours. It's a really fun experiment and a good demonstration for students but it requires time and forward planning.

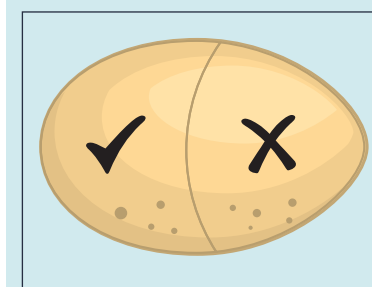
This experiment will show how the fluoride toothpaste helps to strengthen and protect your teeth. The eggshell contains calcium and represents the tooth enamel. The vinegar represents the acid from plaque.

## You will need:

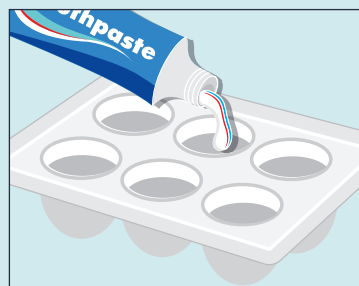
1. A boiled or blown egg
2. White vinegar
3. A tube of fluoride toothpaste
4. A plastic egg box
5. A clear glass
6. A waterproof felt pen
7. Plastic film

## Activities:

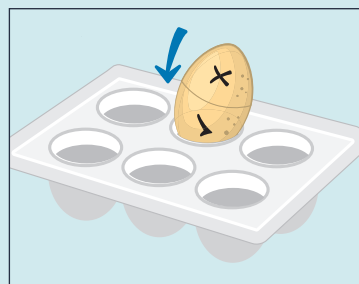
1. Write up your experiment. describe what you did using words and diagrams.
2. Explain what happened to each half of the egg in the glass of vinegar straight away and after nine hours. Draw a diagram.
3. Explain what this experiment tells you about fluoride.



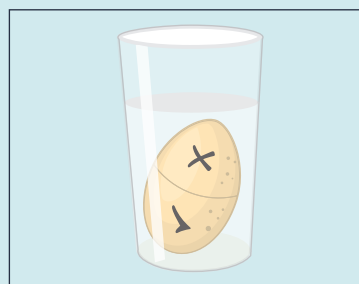
1. Mark half the egg with a ✓ and half with a ✗.



2. Fill one section of the egg box with toothpaste.

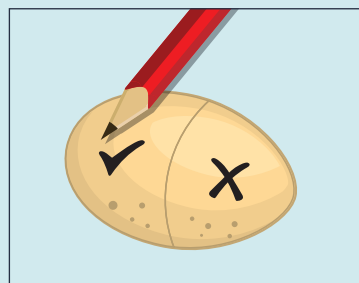


3. Press the half marked into the paste. Cover with plastic film to prevent the toothpaste drying out. Leave for four days.



4. Wash the toothpaste off the egg. Put the egg into a glass of vinegar.

Watch what happens.



4. Leave for nine hours, then test the strength of the eggshell with a pencil.