

CRAZY EXPLODING CITRUS FRUITS

Have you watched our CRAZY exploding citrus fruit experiment on the app? Well if you haven't then it's a must-see!

It's a really cool and colourful variation on the bicarbonate of soda and vinegar volcano experiment.

The citric acid in the citrus fruits mix with the bicarbonate of soda to make them EXPLODE! We even added some food colouring to make it THAT much more impressive. You should too!

WHAT YOU NEED

- Citrus Fruits (Orange, Lemon, Grapefruit and Lime)
- Knife (and an adult to help!)
- Baking Tray
- Skewer
- Bicarbonate of Soda (1 cup)
- Spoon
- White Vinegar (1 cup)
- Dishwashing Liquid
- Food Colouring (a mix of colours)



INSTRUCTIONS

Step 1

Ask an adult for help to cut the citrus fruits in half using your knife.

Step 2

Use the skewer to poke holes into the citrus fruits and then add drops of food colouring into the holes. Use a range of colours!

Step 3

Use a spoon to spoon the bicarbonate of soda onto all the citrus fruits – don't hold back! The more bicarbonate of soda you put on the more they will explode! Add a squeeze of dishwashing liquid to each one too.

Step 4

Ready for some colourful exploding FUN?! Great! Simply pour the vinegar all over the fruits and watch them explode.

What is happening? The bicarbonate of soda (a base) reacts with the citric acid and the vinegar (acids) to form carbon dioxide gas (CO_2). Although this gas is colourless so you can't see it, we know the reaction has occurred as the tiny bubbles of gas have been trapped in the dishwashing liquid and it looks like foam!

WATCH THE
VIDEO NOW

