

Apple Eruption

Bobbing for apples is an absolute classic at Halloween but why not try something different this year and make yourself an Apple Eruption instead.

What do I need:

- Apple
- White vinegar
- Baking powder
- Green food colouring
- Plate
- Knife

How do I do it?

STEP 1 - The first thing is to make our apple volcano and we'll need to have an adult help out. Get an adult to carefully carve out a hole in the top of your apple.

STEP 2 - Fill about half of the hole you just made with 3 teaspoons of baking powder.

STEP 3 - Place your apple on a plate or somewhere that you don't mind making a mess.

STEP 4 - Mix a few drops of green food colouring into your white vinegar to make things even more disgusting.

STEP 5 - Let's start our Apple Eruption! Fill the rest of the hole in the top of your apple with green vinegar...

STEP 6 - Sit back and relax and enjoy your Apple Eruption.

What's going on?

Hope you enjoyed your Apple Eruption but what's going on?

This is a Halloween twist on the classic volcano experiment. It's the age-old 'acid/base' reaction. Our white vinegar is our acid and the baking powder is our 'base' (otherwise known as an alkali).

When the acid and the base mix together we get a chemical reaction. We can tell there's a chemical reaction going on because of all the bubbles we can see within our 'green lava' as it flows over our apple. These bubbles are full of carbon dioxide.

More Fun Please - Experiment like a real scientist!

- What other (safe!) acids could you test out instead of white vinegar?
- What's the perfect combination of baking soda and vinegar to make the perfect Apple Eruption?

