

# The Colour Mixture Experiment



Hello Melvin!



# Apparatus

- ▶ Baking soda
- ▶ Vinegar
- ▶ Food colouring
- ▶ Beaker
- ▶ Tray



# Method

- ▶ Firstly, 3 teaspoons of baking soda in a cup.
- ▶ Secondly, place the cup on the tray.
- ▶ Thirdly, add two drops of food colouring.
- ▶ Finally, add  $\frac{1}{4}$  of vinegar to the baking soda and food colouring.

## Prediction

What do you think will happen?

Why do you think this?



# Results

After a couple of seconds, coloured foam will rise out of the cup!

<https://www.bing.com/videos/search?q=bicarbonate+of+soda+and+vinegar+experiments+hoopla+kidz+lab&view=detail&mid=CE60F5E48A80C552B92BCE60F5E48A80C552B92B&FORM=VIRE>



# Conclusion

If you combine an acid and an alkali they react together to neutralise each other. Vinegar is an acid and bicarbonate of soda is an alkali. The reaction releases carbon dioxide gas, which are the bubbles you see.

If you add washing up liquid to your eruption mix, the bubbles make the washing up liquid bubble up, giving the appearance of lava erupting from a volcano.





Thanks for listening and...



Now let's look at the science webpage...

<https://www.gardensuburbjunior.co.uk/page/?title=Science&pid=330>