

## Foaming Fizzy Potion

What do you think will happen?

Why not record your prediction in your school book.

# FOAMING FIZZY POTION

When George made his marvellous medicine, it **frothed** and **fizzed** and **foamed** as if it were alive! Now you can recreate that same effect for yourself and concoct something that looks like a **weird magic potion**.

**WHAT YOU'LL NEED:**

- Bicarbonate of soda
- Washing-up liquid
- Lemon juice
- Food colouring (optional)
- A plastic cup or mug


**WHAT TO DO:**

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Put a **teaspoon** of the **bicarbonate of soda** into the cup. Any cup will do, but tall, narrow ones work best.
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Add a **squirt** of washing-up liquid.
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**Stir to mix together.** If it's tricky to stir with a spoon, try using a long drinking straw. If you want your magic potion to be **colourful** (and who wouldn't?) add some **food colouring**. Not too much - a couple of drops will do.
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**Squeeze or pour** in a small amount of **lemon juice**. **Continue stirring while you pour.** As you stir, **bubbles** will form and start to fill the cup!
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Add more **lemon juice and soda** until the **frothy mixture** bubbles up over the top!

**WHAT IF?**

Try using another citrus fruit juice like **lime** or **orange**. Do they have the same effect? What happens if you use a **large bowl** instead of a glass?

**WHAT'S HAPPENING HERE:**

bicarbonate of soda + lemon juice = carbon dioxide gas + water + foam. science IS magic