

Bouncing Bubbles Experiment!

There's something magical about bubbles and there are so many great science experiments involving them! This one's my personal favourite as the feeling of bouncing bubbles will always bring a smile to your face!



What do I need:

- Two water bottles
- Scissors
- Tape
- Washing up liquid
- A bowl
- Woollen scarf, hat, or gloves

How do I do it?

STEP 1 - First let's build our bubbles blower! Take your scissors and cut your two bottles in half and then make a slit down the side of each (as shown).



STEP 2 - These vertical slits you just cut in will mean you can slot the two halves together to make your bubbles blower! Wrap a bit of tape round so it doesn't fall apart!

STEP 3 - Next up is making your bubble mixture. There are several million different bubble recipes out there but we'll just keep things simple! Use a 'good' brand of washing up liquid. I find Fairy works best (they didn't pay me to say that!). Whatever brand you go for always use the 'unscented' or 'original' version. Mix around one part washing up liquid to three parts water and really mix it together well. I find letting my bubble mixture 'stand' overnight helps too but it'll still work just fine if you can't wait to get started!



STEP 4 - Blow some bubbles! Put your bubble blower into your bubble liquid and give blowing a couple of bubbles a try!

STEP 5 - It's time to make our bubbles bounce! Blow a bubble and flick it into the air. Have your woollen scarf on your hand ready and catch it! Look at the bubble bounce! If you've got more friends than me (hopefully!) go grab one of them, get something woollen each and play catch with bubbles - it's awesome!



What's going on?

Well, first let's think about what a bubble is? A bubble is really just air wrapped up in a thin film of soap! Why do they pop? They are always going to pop eventually but oil and dirt are the most common causes of bubble death! Using woollen gloves or a scarf avoids both of these so should keep your bubbles 'alive' as long as possible!

More Fun Please - Experiment like a real scientist!

- What other materials could you try? Tin foil, cotton socks, your t-shirt, your jumper - get creative and get experimenting!

