

The Awesomely Amazing WHIZZ POP BANG! Science club

Teacher-led activity



What you do:

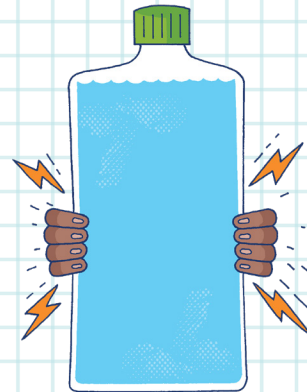
1. Take an empty plastic water bottle with the lid screwed on tightly.
2. Use both hands to squeeze the middle as strongly as you can.
3. Now fill the bottle to the top with water and try again.

SQUASHING WATER



You will need:

- An empty plastic bottle
- Water



You should find:

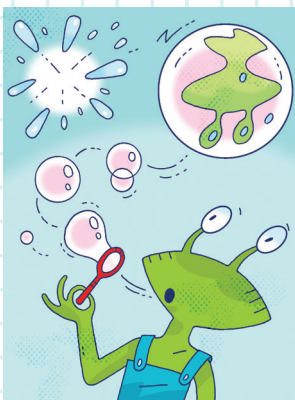
You'll find you can squash the air more than the water. This is because water is denser than air. There are more molecules in the bottle. This explains why a container of water weighs more than a container of air.

Pupil activity

WHAT MAKES THE BEST BUBBLES?

You will need:

- Water
- Washing-up liquid
- Pipe cleaners
- Sugar
- Baking powder
- Corn syrup or glycerine



What you do:

1. Make a base mixture of water mixed with washing-up liquid.
2. If you don't have a bubble wand already, make one with a pipe cleaner.
3. Experiment with blowing bubbles, and then try adding sugar, baking powder, corn syrup or glycerine to your mixture, one at a time.

Test how each ingredient changes the surface tension and affects the bubbles. Once you have found the best mixture, change the shape and size of your bubble wand. See who can make the biggest and smallest bubbles.