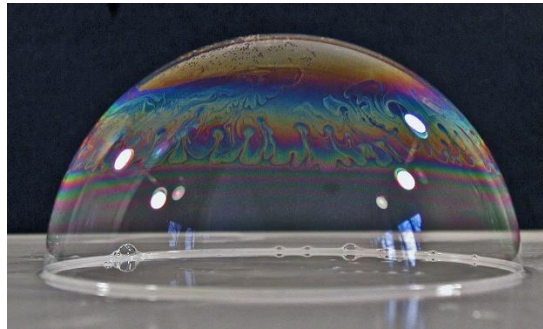


‘Impress my family’ science experiment 2

Become the ‘Bubble in a bubble’ family champion



What you need:

Warm water

Bowl

Plastic or metal straws (don't use paper ones)

Sugar

Fairy liquid

Table spoon

How to do it?

1. Fill 1 cup (230 ml) of warm water in a beaker.
2. Add 1 table spoon of granulated sugar and stir.
3. Add 2 table spoons of detergent. Mix.
4. Rub some mix on table surface.
5. Now dip straw into mix and blow bubble on surface.
6. Dip into mixture again and blow bubble inside a bubble.

What's going on?

Watch this **video** for more instructions and explanations.

<http://www.youtube.com/watch?v=6EUbKEhzLSQ&list=PLw7ILwXw4H51zKplcw1sgdXbaKRzcE5Gu&index=9>

Water forms a thin 'skin' on its surface. This allows the formation of water droplets and lets some insects walk across water. This skin is under tension/under stress and will not allow for large (water) bubbles to form.



So, when you pour water into a basin, the bubbles burst very quickly. Now add some fairy liquid or other detergent. The detergent stretches the 'skin' of the water to allow for longer lasting bubbles. The phenomenon is called water surface tension (we called it 'water skin' here).

How many bubbles in a bubble can you achieve?

My current record is 4!

