

Jumping sultanas!

You will need:

- Adult help
- 10 Sultanas or raisins
- 1 litre of Soda water, Tonic or Lemonade
- Large glass or bowl (optional)

Let's make it!

Pour the soda water (lemonade etc) into the large glass and gently add the sultanas one at a time to the soda water (or if using a bottle, you will need to gently shake the bottle after putting sultanas in). Watch them float to the surface and drop down over and over again...like they are jumping!

How?

Soda water contains a large amount of dissolved carbon dioxide gas. Pouring the soda water into the glass helped to release this gas in the form of bubbles. The bubbles are less dense (lighter) than soda water, so they rise to the surface. The bubbles connect themselves to the sides of the sultanas, providing a buoyant force to help raise the sultanas to the surface... almost like a tiny balloons. On reaching the surface the bubbles pop and the sultanas fall back down again.

