**Dancing Raisins Experiment**

Today we are going to be making dancing raisins. For this experiment you will need:

* A glass (because this is **transparent,** and you will be able to see the dancing raisins)
* Water
* Teaspoon of bicarbonate of soda
* Raisins (about 6)
* Vinegar

**Step 1**

Start by filling the glass with water till the glass is approximately half full.

**Step 2**

Add a teaspoon of bicarbonate of soda and stir until it has **dissolved** in the water.

**Step 3**

Add your raisins to the water and watch them sink to the bottom.

**Step 4**

Slowly poor in the vinegar till the glass is no more than ¾ full.

**Step 5**

Watch the raisins dance!

**But why do the raisins dance?**

What happens is the raisins are more **dense** (it feels heavier for how small it is) than the water and so sink to the bottom of the glass. Then when we add the vinegar into the glass a **reaction** takes place between the vinegar and the bicarbonate of soda that had **dissolved** in the water. This **reaction** creates bubbles of carbon dioxide which are **less dense** (the bubbles are light for their size) than the water and get pushed to the top. Because the raisins have rough surfaces the bubbles stick to the raisin and push them up too like a buoyancy aid.