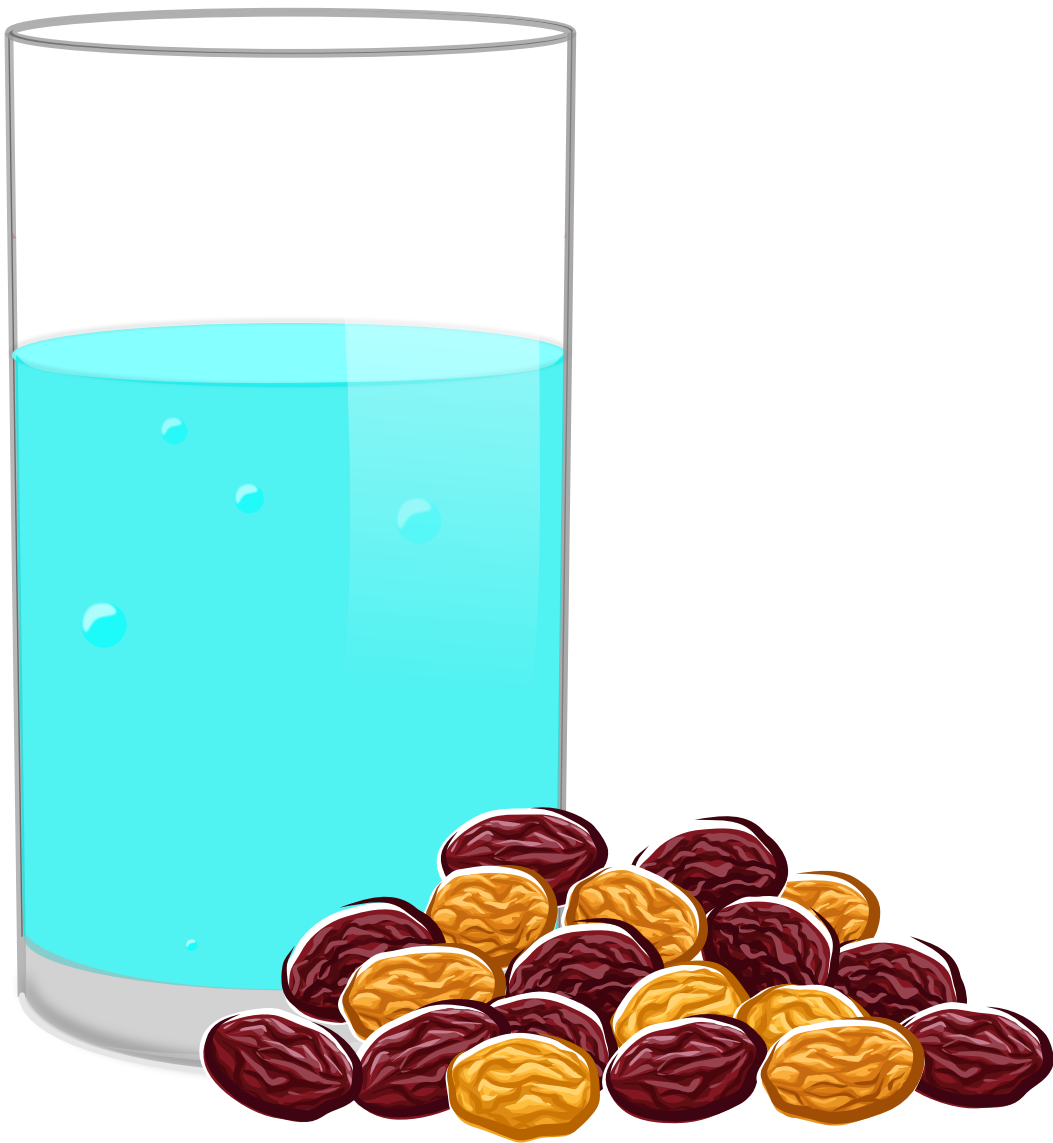


# Dancing Raisins Experiment

Suitable For KS1+



Designed By Teachers



Teaching the World to Play

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# Create a chemical reaction and watch the raisins dance!

You will need:

A clear glass half filled with water  
3 raisins cut in half  
1 Tbsp baking soda  
Vinegar  
A spoon

Instructions:

1. Use your spoon to put the baking soda into the glass (half-filled with water)
2. Stir the baking soda until dissolved
3. Drop the 6 raisin halves into the glass
4. Pour some vinegar into the glass until the glass is  $\frac{3}{4}$  full

Watch your raisins dance through the glass!

# So, why does this happen?

When vinegar (an acid) reacts with baking soda, it produces carbon dioxide (a gas).

The bubbles of carbon dioxide will rise to the surface of the water and pop.

When light objects, such as raisins, are placed inside the liquid, the bubbles stick to the surface of the objects which increases their buoyancy.

The objects are more dense, so when the bubbles pop, they sink back to the bottom.

On the way back down, they will collect more bubbles and start to float again.

Eventually, enough bubbles will get trapped inside the raisins to make them remain at the top of the surface.