

WHAT YOU NEED

Food:

- 1 bottle of sparkling water
- 10 raisins

Equipment:

- 1 glass or jam jar

Dancing raisins

WHAT TO DO

- 1 Fill the glass or jar with sparkling water
- 2 Drop the raisins into the glass.
- 3 Watch what happens to the raisins. Do they sink or float? How long does it take for them start dancing?



WHAT IS HAPPENING

When you first drop the raisins in the water they sink to the bottom of the glass because they are more dense than the soda. But the carbonated soda releases carbon dioxide bubbles and these bubbles love to attach to the rough surface of the raisins. They act like tiny floatation devices that lift the raisin to the surface of the water. This is due to an increase in buoyancy.

Once the carbon dioxide bubbles reach the surface of the soda they pop and the gas is released into the air. This makes the raisin lose buoyancy and fall back down to the bottom of the glass. This continues until all of the carbon dioxide has escaped and the soda is flat.