WHITEHALL JUNIOR WHIZ KIDS

Celebrating smart, science-loving students!

Summer 2025-26

Materials Needed:

- A clear glass or container
- A handful of raisins
- Any fizzy drink

> A scientist is not a person who gives the right answers, it is the person who asks the right questions.

Instructions:

1. **Pour the fizzy drink:** into the clear glass, being careful to pour it slowly to minimise fizz loss.
2. **Add a handful of raisins:** to the glass.
3. **Observe the raisins:** as they start to "dance", watch as they rise and sink in the drink.

Can you vary the temperature of the drink or the quantity of raisins? How does this change the results of the experiment?

What is Happening?

Carbon Dioxide Bubbles: Fizzy drinks contain dissolved carbon dioxide gas, which is responsible for the bubbles you see.

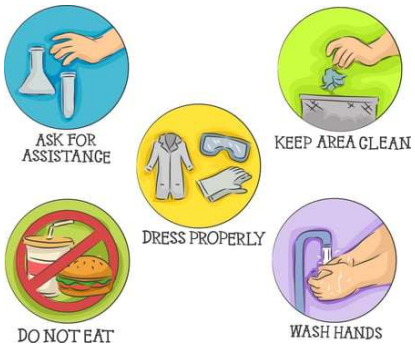
Adhesion: The carbon dioxide bubbles attach to the surface of the raisins, particularly in the crevices.

Buoyancy: The attached bubbles make the raisin less dense than the surrounding liquid and cause it to float to the surface.

Bursting: When the bubbles reach the surface, they pop, causing the raisin to sink back down.

Repeating Cycle: The cycle of attaching bubbles and then bursting repeats, creating the dancing motion.

SAFETY PRECAUTIONS:



Don't forget to share any pictures or videos of your experiments on Google Classroom that can be shared in school!

Butterflies taste with their feet!

What are these taste receptors called?

A day on Venus is longer than a year on Earth!

Can you find out how many years it is equivalent to?

The Eiffel Tower grows taller in the summer!

What causes this to happen?