



SCIENCE EXPERIMENT

DANCING RAISINS

Let's make raisins dance!

Tiny bubbles
stick to the
raisins...



They rise,
dance around
and sink again!



Name

:



Class

:



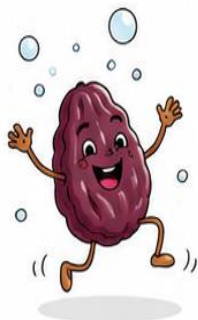
Date

:

Observe.
Wonder.
Learn!



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DANCING RAISINS

SCIENCE EXPERIMENT



OBJECTIVE

To observe how carbon dioxide gas can make raisins move up and down in a fizzy drink.

MATERIALS



1 clear glass



Clear carbonated soda (sparkling water or lemon soda)



8-10 raisins



Spoon (optional)

STEPS

- 1 Fill the glass about three-quarters full with the carbonated drink.
- 2 Drop the raisins into the glass.
- 3 Watch carefully for 3-5 minutes.
- 4 Notice the raisins moving up and down like they are dancing.

WHAT HAPPENS?



Raisins first sink to the bottom.



Tiny bubbles stick to the raisins.



Raisins rise to the top.



Bubbles pop.



Raisins sink again.

The cycle repeats again and again!

SCIENCE BEHIND IT

Carbonated drinks contain carbon dioxide (CO_2) gas.

The gas forms tiny bubbles that attach to the raisins.

These bubbles increase the raisins' buoyancy, causing them to rise.

When the bubbles burst at the surface, the raisins lose buoyancy and sink again.



OBSERVATION

- Raisins first sink.
- Tiny bubbles stick to them.
- Raisins rise to the top.
- Bubbles pop.
- Raisins sink again.
- The cycle repeats several times.



CONCLUSION

The dancing raisins experiment shows how carbon dioxide gas and buoyancy work together to make objects move up and down in a liquid.

FUN FACT

If you try this experiment with smooth objects like marbles, they usually won't dance because bubbles do not stick to them as easily as they do to the wrinkled surface of raisins.



Science is all around us. Keep observing, keep wondering!



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SCIENCE EXPERIMENT

DANCING RAISINS

PREDICTION SHEET

Think before you experiment!
Make a smart **prediction** about what you think will happen.



Name : _____ Class : _____ Date : _____

1 What do you think will happen when the raisins are dropped into the fizzy drink?

Tick (✓) one answer.

- ☐ They will sink and stay at the bottom.
- ☐ They will float on the top.
- ☐ They will move up and down.
- ☐ They will stay in the middle.
- ☐ I'm not sure.



2 Why do you think this will happen?

Write your ideas.



4 How many times do you think the raisins will move up and down?

Tick (✓) one answer.

- ☐ Only once
- ☐ 2-5 times
- ☐ Many times
- ☐ They won't move



5 Draw your prediction.

Draw what you think will happen when the raisins are in the fizzy drink.

Before (Just dropped in)



After (What will happen?)



6 How confident are you about your prediction?

Colour the stars.



Not sure

Very sure

7 My prediction in a sentence.

I predict that _____



Great scientists make **predictions** before they experiment!





SCIENCE EXPERIMENT

DANCING RAISINS

OBSERVATION SHEET

Observe carefully and record what you see!



Name : _____



Class : _____



Date : _____

1 What happened first?

Tick (✓) one.

- ☐ The raisins sank to the bottom.
- ☐ The raisins floated.
- ☐ Nothing happened.
- ☐ Other: _____



2 What did you observe?

Tick (✓) all that apply.

- ☐ Tiny bubbles stuck to the raisins.
- ☐ The raisins rose to the top.
- ☐ The bubbles popped.
- ☐ The raisins sank again.
- ☐ The raisins kept moving up and down.
- ☐ Something else happened.



3 Observation Table

What I Observed	✓
Raisins sank first	☐
Bubbles formed	☐
Raisins floated to the top	☐
Bubbles popped at the top	☐
Raisins sank again	☐
The cycle repeated (up and down)	☐

4 Draw What You Observed

Draw the glass and show how the raisins moved.



↑ Up (floats)

↓ Down (sinks)

↑ Up again

5 What did the bubbles do?

Tick (✓) one.

- ☐ Stuck to the raisins.
- ☐ Floated away.
- ☐ Popped at the top.
- ☐ I didn't notice.



6 Write One Interesting Observation

7 Observation Summary

During the experiment, I observed that...





★ SCIENTIST CHECKLIST ★

- ☐ I observed carefully.
- ☐ I recorded my observations.
- ☐ I noticed the bubbles.
- ☐ I watched the raisins move.
- ☐ I worked safely.



Great scientists observe carefully and record what they see!





SCIENCE EXPERIMENT

DANCING RAISINS

RESULTS SHEET



Watch.
Observe.
Discover!



Name : _____



Class : _____



Date : _____

1 Did your experiment work?

Tick (✓) your answer.

- ☐ Yes! The raisins danced!
- ☐ Partly – Some raisins moved.
- ☐ No – The raisins did not move.
- ☐ Something different happened.



2 My Results

What happened to the raisins?

- ☐ The raisins sank at first.
- ☐ Tiny bubbles stuck to the raisins.
- ☐ The raisins rose to the top.
- ☐ The bubbles popped at the surface.
- ☐ The raisins sank again.
- ☐ The raisins kept dancing up and down.
- ☐ Other: _____

3 Record Your Results

How many raisins did you use?

Did all the raisins dance?

How many times did they move up and down?

What type of drink did you use?

What happened to the bubbles?



4 Draw Your Dancing Raisins

Draw what happened in the glass.



5 What did I learn?

Write one thing you learned from this experiment.



6 Scientist Checklist

Tick (✓) all the things you did.

- ☐ I followed the steps carefully.
- ☐ I observed the raisins closely.
- ☐ I recorded my results.
- ☐ I learned about bubbles.
- ☐ I can explain what happened.



7 Scientific Conclusion

Complete the sentence.

The tiny bubbles stuck to the raisins and made them _____.

When the bubbles popped, the raisins _____. This happened again and again, so the raisins _____.



Teacher's Comments

Teacher's Signature: _____

Date: _____

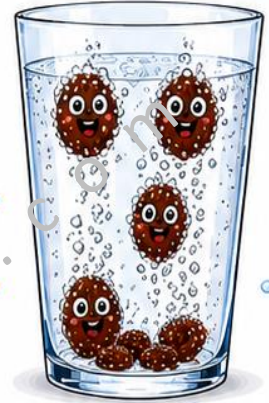


SCIENCE EXPERIMENT

DANCING RAISINS

REFLECTION SHEET

Think. Reflect. Learn!



Name : _____



Class : _____



Date : _____

1 Did your prediction match the result?

- ☐ Yes, it matched!
- ☐ Partly – some things were different.
- ☐ No, I was surprised!

Explain your answer.

2 What was the most interesting part of this experiment?

- ☐ Watching the raisins sink.
- ☐ Seeing the tiny bubbles stick to the raisins.
- ☐ Watching the raisins dance up and down!
- ☐ Learning about the bubbles and gas.
- ☐ Other: _____



3 What did you learn from this experiment?



4 What was easy?



5 What was challenging?

6 If you did this experiment again, what would you do differently?



7 Circle the words that describe this experiment.

Fun

Exciting

Surprising

Easy

Challenging

Interesting

Amazing

Educational

8 My Favourite Part

Draw your favourite moment from the experiment.



9 Finish these sentences.

Today I discovered that _____

Next time I want to try _____



10 I Can...

- ☐ I can explain why the raisins moved up and down.
- ☐ I can describe what happened in the experiment.
- ☐ I can follow steps carefully.
- ☐ I can make a prediction and check the result.
- ☐ I can share what I learned with others.



11 My Scientist Self-Rating

Colour the stars to show how you did today!



★ I tried my best! ★

Teacher's Comments

Teacher's Signature : _____

Date : _____



Great scientists are curious, observant and never stop learning! ★ }