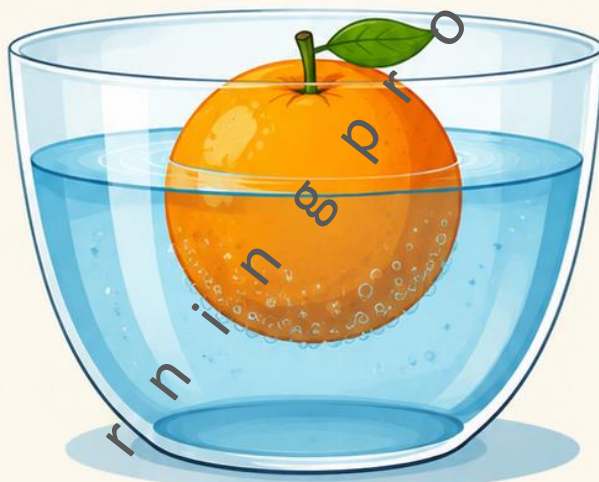




SCIENCE EXPERIMENT

ORANGE FLOAT TEST

Will it Float or Sink?



Name: _____

Class: _____

Date: _____



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ORANGE FLOAT TEST

A FUN SCIENCE EXPERIMENT!

Can you make the orange float?



This experiment shows how adding salt to water changes its **density**. More salt = denser water. Denser water can make the orange float!

YOU WILL NEED:



1 whole orange



A large bowl or container



Water



Salt



A spoon



LET'S DO IT!

1 Fill the bowl with water.



2 Gently place the orange in the water. What happens?



3 Take the orange out.



4 Add about 1–2 tablespoons of salt to the water. Stir until the salt dissolves.



5 Place the orange back in the water. Does anything change?



6 Keep adding 1–2 tablespoons of salt at a time, stirring well each time.



7 Keep testing the orange. What happens as you add more salt?



★ Keep going until the orange floats!

WHAT'S HAPPENING?

When you add salt, the water becomes more dense. The denser (heavier) water can push up on the orange with enough force to make it float!



Plain water
(orange sinks)



Some salt
(orange rises)



Lots of salt
(orange floats)

WHAT DO YOU OBSERVE?

- In plain water, the orange sinks.
- As you add salt, the orange rises.
- With enough salt, the orange floats!



TRY THIS!



- Try using different objects (lemon, apple, potato, egg). Do they float too?
- How much salt do you think is the minimum needed to make the orange float?



SAFETY FIRST!

- Do this experiment on a table, not on a computer or near electronics.
- Do not drink the salty water.
- Clean up any spills right away.



EXPLORE. OBSERVE. LEARN.
SCIENCE IS EVERYWHERE!



Will the
orange
float or
sink?

ORANGE FLOAT TEST



PREDICTION SHEET

- 1** What do you think will happen?
Circle your prediction.

FLOAT



SINK



- 2** Why do you think so?

Write or draw your reasons for your prediction.

Handwriting practice lines for writing reasons.

- 3** What observations do you expect to see?

What do you think will happen to the orange in the water?

Large box for drawing or writing observations.

Think about:

- Bubbles?
- Movement?
- Where the orange will be?
- Anything else?

Name: _____ Class: _____ Date: _____



ORANGE FLOAT TEST

OBSERVATION SHEET



Observe carefully and record what you see.

1 What happened to the orange?

Draw what you observed.

2 Describe what you observed.

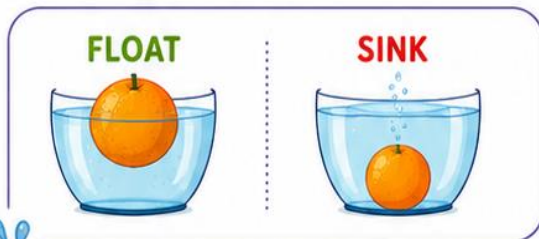
Write your observations in the space below.

3 What else did you notice?

Write down any additional observations (bubbles, movement, position, etc.).

4 Did the orange float or sink?

Circle your observation.



5 What did you learn from this experiment?

Write one thing you learned.

Name: _____ Class: _____ Date: _____



ORANGE FLOAT TEST



RESULT SHEET

You did the experiment. Now, let's record the results!



1 What was the aim of the experiment?

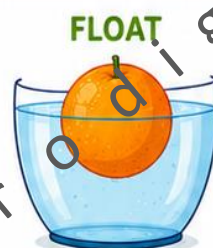
Write the aim of the experiment.

2 What did you do?

Write the steps you followed in short.

3 What did you observe?

Write what happened to the orange in the water.



4 What was the result?

Did the orange float or sink? Write the result.

5 Why do you think this happened?

Write the reason for the result.

6 Conclusion

What did you learn from this experiment?



Name: _____ Class: _____ Date: _____



ORANGE FLOAT TEST

REFLECTION SHEET

Think about what you discovered and
what you learned!



Name: _____

Class: _____

Date: _____

1 Did your prediction match your results?

- ☐ Yes, it was exactly what I expected.
- ☐ Almost, some parts were different.
- ☐ No, I was surprised!



Explain your answer.

2 What was the most exciting part of the experiment?

- ☐ Making a prediction
- ☐ Putting the orange in the water
- ☐ Watching the orange float or sink
- ☐ Observing the results
- ☐ Learning something new
- ☐ Other: _____



3 What did you learn from this experiment?



4 Why do you think the orange floated (or sank)?



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



6 How did this experiment make you feel?



Excited



Happy



Surprised



Curious



Confident

7 Draw your favourite part of the experiment.

8 Finish the sentences.

Today I discovered _____



The most interesting thing I saw was _____

Next time I want to try _____

9 Scientist Checklist

- | | |
|---|---|
| ☐ I made a prediction. | ☐ I recorded my results. |
| ☐ I followed the instructions. | ☐ I learned something new. |
| ☐ I observed carefully. | ☐ I worked safely. |



10 Teacher's Comments



Great scientists **reflect**, **learn** and **grow**!

