Fruit Float

Do all fruits float?

Gather Data

Here is some information to help you make a hypothesis:

- Fruits have different densities.
- Density is the amount of space (volume) something takes up compared to its mass (the amount of matter in an object). For example, a one-pound bag of feathers would be much bigger than a one-pound bag of gold. This is because feathers are less dense than gold.

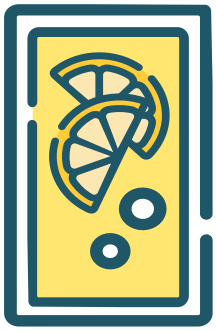
You can find more information about density online or at the library.

MATERIALS

- Basin or sink
- Different fruits to try (apples, oranges, strawberries, grapes, melons, etc.)
- Water
- My Home Science Journal pp. 2–3 (or your own science notebook)

Make a Hypothesis

Before you start the experiment, read the instructions. What do you think will happen? Write about or draw a picture of your prediction.



Test with an Experiment

1. Fill a basin or sink with water.
2. Put several different kinds of fruit in the water.
3. Record which fruits floated and which sank.
4. Draw a picture of the experiment.
5. Enjoy the fruit for a snack!

Draw a Conclusion

Did all the fruits float? Write about or draw a picture of what happened.

More Ideas to Try

- Will all vegetables float? Try vegetables that you have at home.
- What happens if you add salt to the water? (You may need two cups of salt or more.)

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My Home Science Journal

Be sure to do this experiment with an adult. Follow the directions carefully.

1 Ask a Question

Write the question you want to answer.

2 Gather Data

What do you already know about this topic? Talk about it.

3 Make a Hypothesis

What do you think will happen? Write or draw.

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4 Test with an Experiment

Record the steps of your experiment.

5 Draw a Conclusion

What was the result? Write or draw.

6 Experiment Discussion

Was your hypothesis correct? What did you learn? Is there another question to explore? Talk about it.

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