

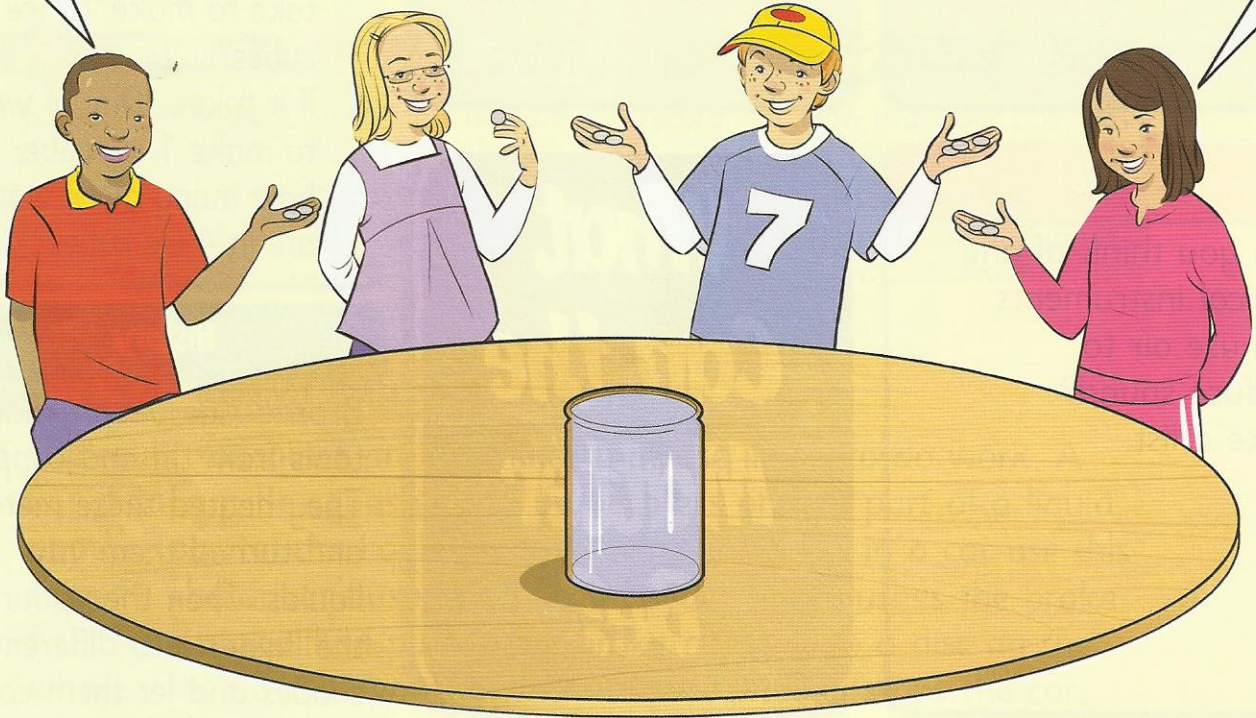
Will the water spill if I put a few coins in the jar?

I think that the water will spill every time I add a coin.

I think that I would need to add 3 or 4 coins before the water spills.

I think that the coins will rust in the water.

I think that too many coins will crack the glass.



The BIG Question

Identify the main question you need to answer.
Record it now on your Investigation Record Sheet.

Use your Record Sheet to investigate!

My Question
My Prediction
Let's Investigate!
My Record
My Results
My Conclusion



My Prediction

Complete this sentence on your Investigation Record Sheet:



I think that the water _____

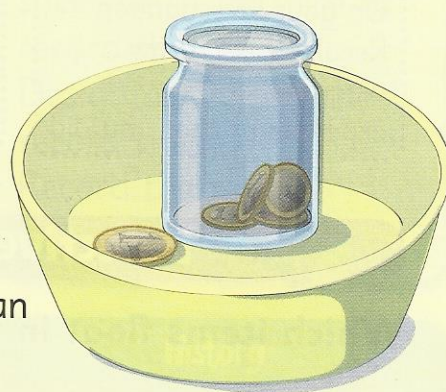


Let's Investigate!

- 1 Get a jar and some small coins.
Put the jar into a basin.
Fill the jar to the top with water.
Get a coin and drop it gently, edge first, into the water.
What happened?
- 2 Add a few more coins, one by one.
What do you notice?
- 3 Look very carefully at the water right at the top of the jar. What do you notice?
- 4 How many coins did you add before the water began to spill out of the jar?

You will need:

- A jar
- Coins
- Water
- A basin



My Record

On your Investigation Record sheet, draw diagrams of the experiments that you did.



My Results

It is now time to record your results.



My Conclusion

Now that your class has discussed the investigation, you can record your conclusion.



Finding Out More!

Let's examine drops of water.
Do they keep their shape when they are moved about?

In your group:

- Decide how you will find out.
- Decide how you will record the results.
- Gather the materials needed.

Do the investigation.

You will need:

- A spoon
- Water
- A straw
- Washing-up liquid



- 1 Put a few drops of water on the table.
What shape are the drops?
- 2 Use a straw and blow two drops together.
What happens?

- 3 Use the straw to move the drops about. What happens?
- 4 Get a little washing-up liquid. Dip the end of the straw into the washing-up liquid. Put some washing-up liquid on to a drop of water. What happens? Put washing-up liquid on to more drops and see what happens.



My Record

On your Investigation Record sheet, draw diagrams of the experiments that you did.



My Results

It is now time to record your results.



My Conclusion

Now that your class has discussed the investigation, you can record your conclusion.



Detective Time

Which items float in water and which items sink?

In your group:

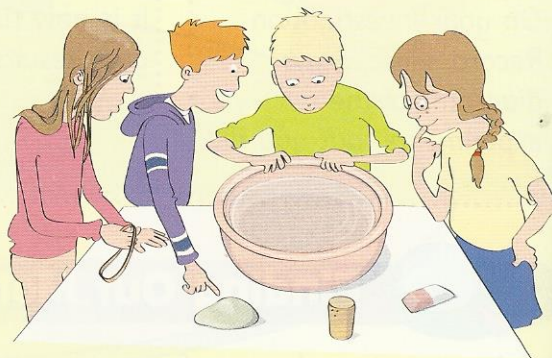
- Decide how you will design an experiment to answer the question.
- Decide how you will record the results.
- Decide what materials you will test.
- Gather the materials needed.

Do the investigation.

One of the items to test may be a needle.
Be very careful when handling it.

You will need:

- Items to test for floating
- A needle
- Tissue paper



Record your diagrams, results and conclusion on your Investigation Record Sheet, just like you did for the Finding Out More! exercises.

Very Interesting

- Clean drinking water is very important. In some countries it is not available. In Ireland we are lucky because we have a good supply of clean drinking water. Scientists have developed many ways to keep water clean. Water is filtered to remove any dirt from it.
- Did you know that 80-90% of your body is made up of water?



Web Watch!

Find out more on www.kidzone.ws/water

Extra table for Detective Time (Which items float in water?)

Item	My guess	It floated	It did not float