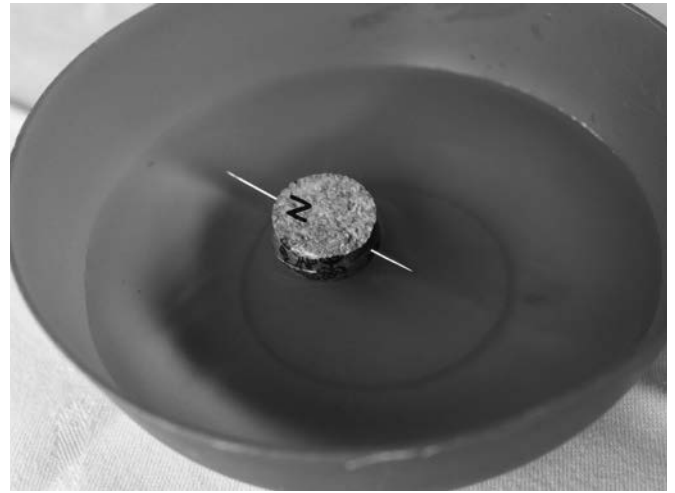


What you need

- A needle
- A bar magnet
- A flat slice of cork
- A marker pen
- A small dish of water



What to do

1. First, stroke one end of the magnet along the needle about 30 times. Always stroke in the same direction. This will magnetise the needle.
2. Then push the needle through the piece of cork.
3. Next, mark N for North on the cork near the sharp end of the needle.
4. Float the cork on a dish of water. The tip of the needle will point towards the north. The other end of the needle will point to the south.

You can check that your compass is working by comparing it with another compass. Make sure that you put the compasses more than 30 centimetres apart because the magnetism of one compass could attract the needle of the other so that it no longer points north.

4

a) What is the purpose of the text on page 2? Tick **one** box.

To tell a story

☐

To give instructions of how to make something

☐

To give information about what something is

☐

To explain how something works

☐

b) Under which heading would you look to find out how to make the compass?

5

Look at the sentence: *First, stroke one end of the magnet along the needle about 30 times.*

What does the word 'stroke' tell you about how to move the magnet?

6

Which **two** metal objects do you need to make a compass?

7

What do you use the magnet for?

8

Suggest a word you could put at the beginning of the final instruction.

