

1 Kanu has two magnets. He wants to find out which magnet is the strongest.

He picks up 15 paper clips with one magnet.

a Which things should Kanu try to pick up when he tests his other magnet? Tick one box.



b Why should Kanu use these things? _____

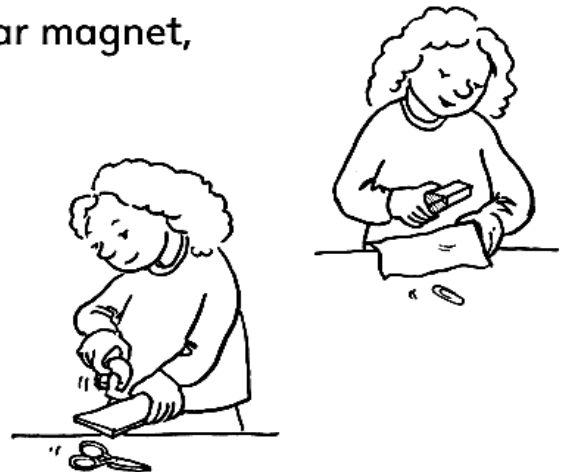
2 Lizzie wants to find out if magnets work through different materials.

First test

Lizzie holds a thin piece of paper under a bar magnet, and tries to pick up a paper clip.

Second test

Next Lizzie holds a thick piece of iron under a horseshoe magnet, and tries to pick up a pair of scissors.



a Complete these sentences by crossing out the words that are wrong.

Lizzie is/is not doing a fair test.

When you do a fair test, you must only change one thing/two things.

b What should Lizzie use for her second test? Tick three boxes.

a thick piece of iron a bar magnet paper clip

a thin piece of iron a horseshoe magnet scissors

c Lizzie wants to find out if magnets work through plastic.

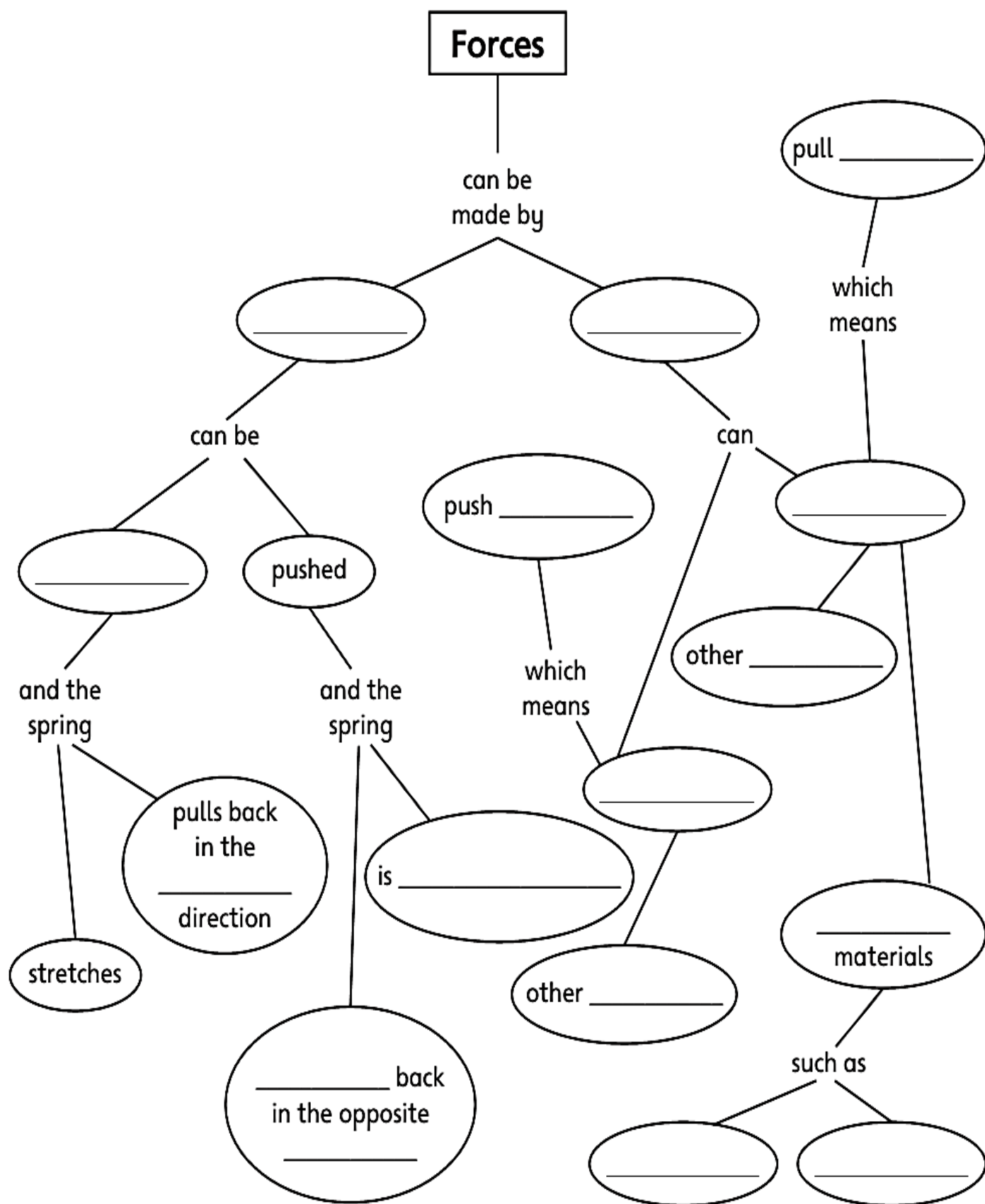
What should she use to find out?

1 _____ 2 _____

3 _____

Fill in the missing words in the concept map using words from the box.

You may need to use some words more than once.



attract away compressed direction iron magnetic magnets
opposite pulled pushes repel springs steel towards