

Pulling through

Attracting and repelling

Hold two magnets like this.

Do you feel the magnets:

pulling together?

☐

pushing apart?

☐


Hold two magnets like this.

Do you feel the magnets:

pulling together?

☐

pushing apart?

☐


If the magnets pull together, they attract each other.

If the magnets push apart, they repel each other.

Do these tests to find out if the magnets attract or repel.

Use ✓ and X to fill in the table.

Test	Repel	Attract

Use the correct words to fill in the gaps.

Like poles and unlike poles

Pulling through

Can you feel the force?

Ask your partner to hold some different materials between the magnets. Can you still feel them attracting?

The magnetic force can pass through:

air

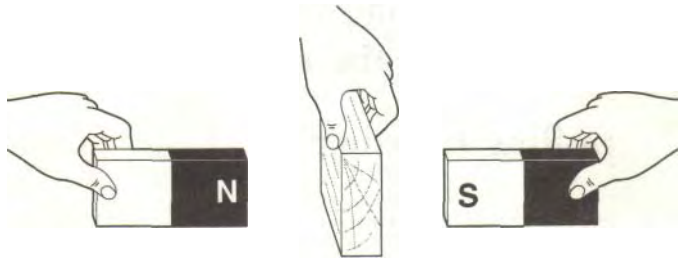
☐

cardboard

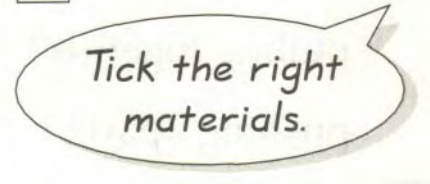
aluminium

☐

plastic

☐

wood

☐☐

Testing the strength of different magnets

Put one piece of cardboard between the two magnets. Hold it up by the top magnet.

Does the bottom magnet stay attracted?

Add more pieces of card. Do this until the bottom magnet falls off.

I used pieces of cardboard.

Do the experiment again using a different pair of magnets.

I used pieces of cardboard.

Which magnets were the strongest

- the first pair or the second pair?

They were the strongest because it took..... pieces of cardboard to stop them attracting.

