

Exploring Magnets

Complete the sentences using the word bank below.

Magnets have two _____. One is called the _____ pole and the other is the _____ pole. When opposite poles are near one another, they _____ together. This means the two poles _____. When two of the same poles are near one another, they _____ away from one another. This means the two poles _____ each other.

Word bank

repel

north

attract

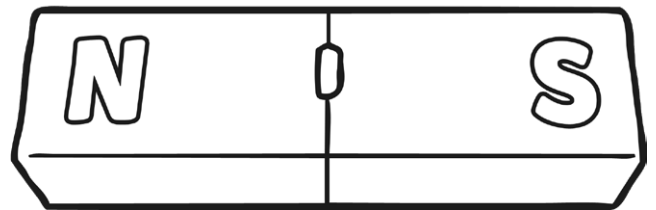
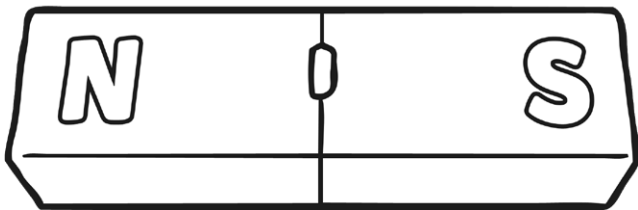
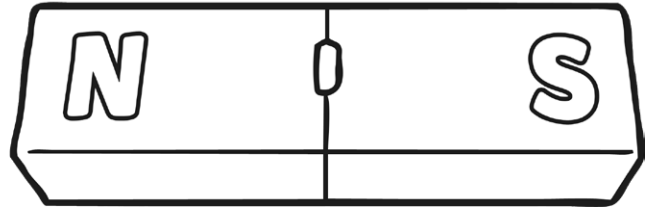
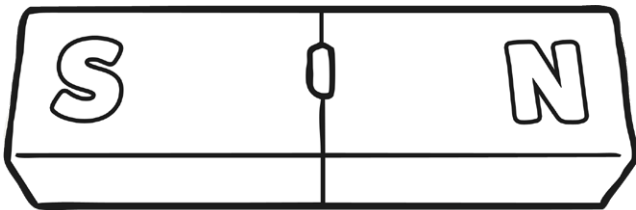
south

pull

push

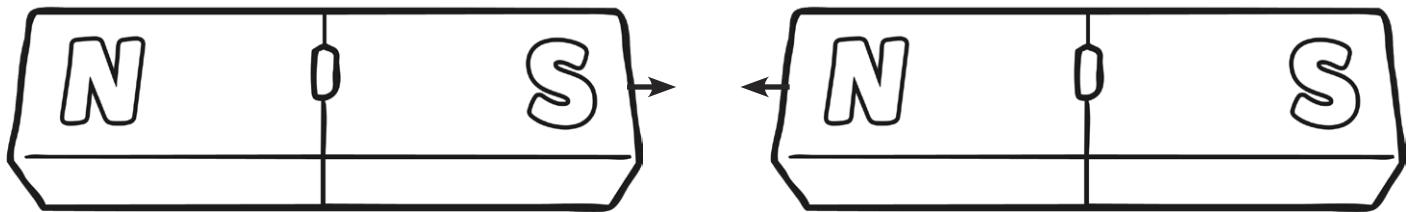
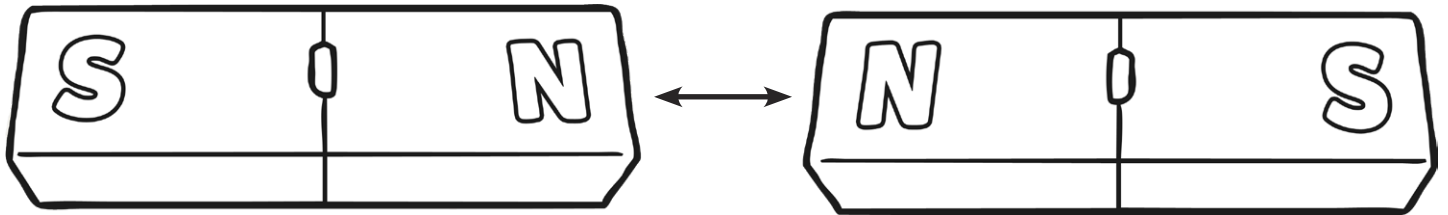
poles

Draw arrows to show what force happens in these pictures.



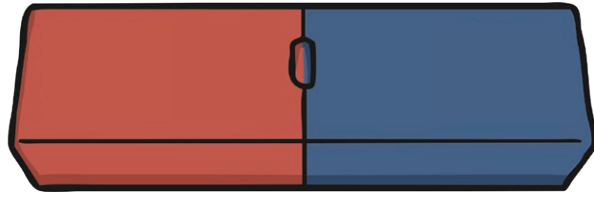
Exploring Magnets Answers

Magnets have two poles. One is called the **north pole** and the other is the **south pole**. When opposite poles are near one another, they **pull** together. This means the two poles **attract**. When two of the same poles are near one another, they **push** away from one another. This means the two poles **repel** each other.



Exploring Magnets

Here is a magnet:
Label the magnet



Predict what you think will happen if you put ends of the same colour together.

Now predict what will happen if you put a red and a blue end together.

Now test your predictions. Explain what you observed.

Draw a diagram to show what happened.

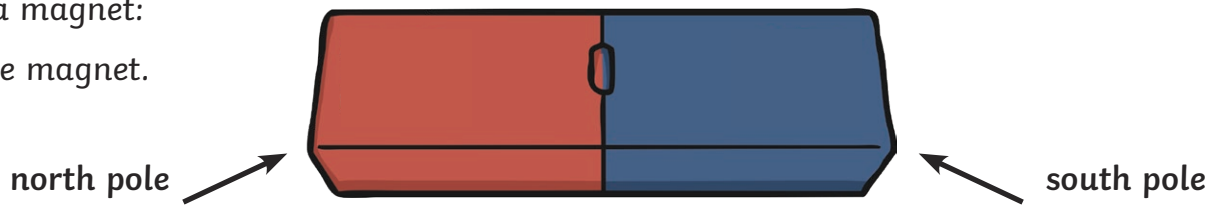
	Useful words	
	south	poles
	north	push
	attracts	pull
	repel	



Exploring Magnets Answers

Here is a magnet:

Label the magnet.



Predict what you think will happen if you put ends of the same colour together.

Answers will vary.

Now predict what will happen if you put a red and a blue end together.

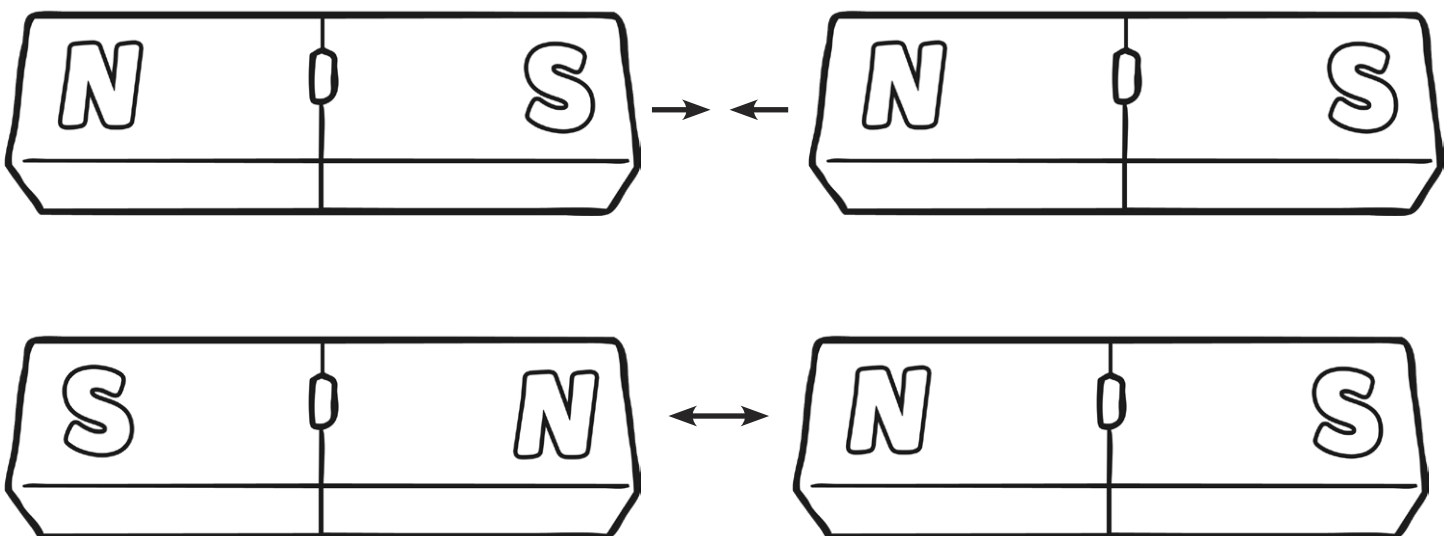
Answers will vary.

Now test your predictions. Explain what you observed.

Answers will vary but should include an explanation that the opposite poles pull towards each other and poles that are the same push away.

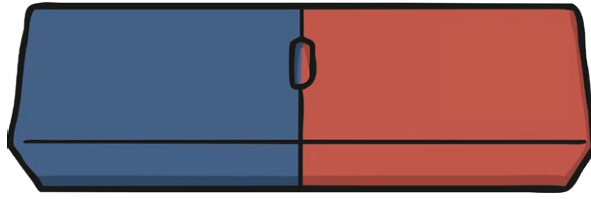
Draw a diagram to show what happened.

Diagrams should be similar to this:



Exploring Magnets

Here is a magnet:
Label the magnet.



Predict what will happen when you put the ends together.

Now test your predictions and in detail, explain what happened.

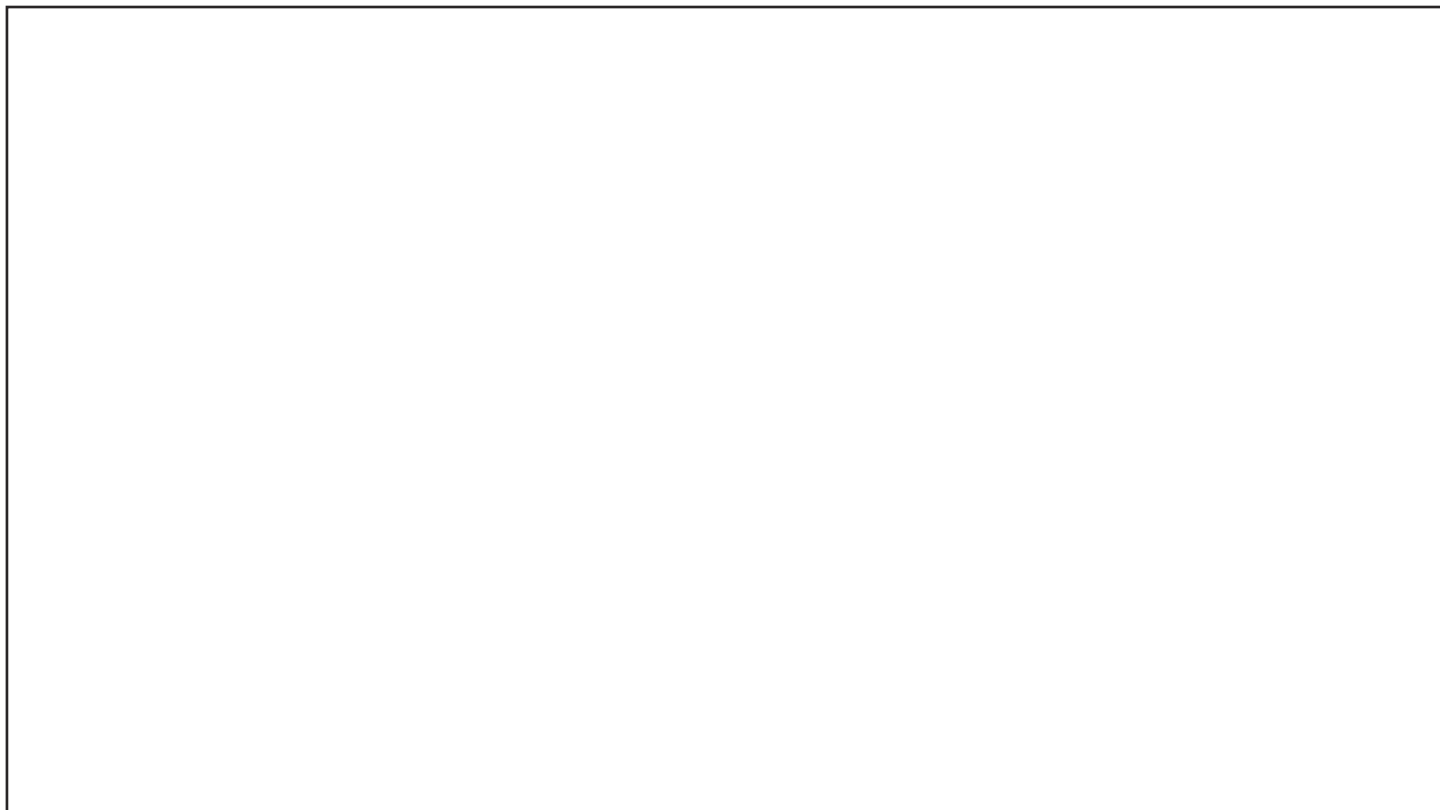
Answer these questions.

1. What does attract mean and what force can you see?

2. What does repel mean and what force can you see?



Draw what happened when you tested your predictions.



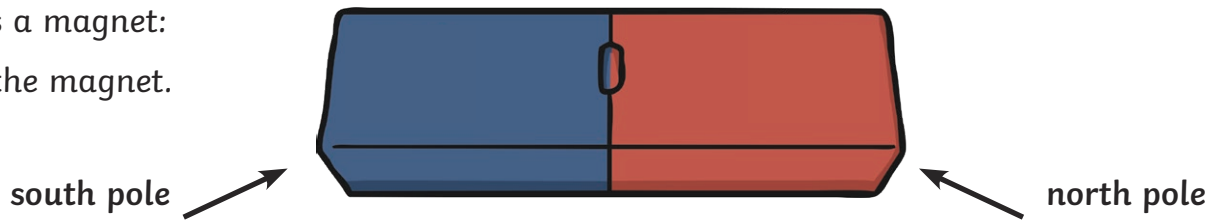
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Exploring Magnets Answers

Here is a magnet:
Label the magnet.



Predict what will happen when you put the ends together.

Answers will vary.

Now test your predictions and in detail, explain what happened.

Answers will vary but should include an explanation that the opposite poles pull towards each other and poles that are the same push away.

Answer these questions.

1. What does attract mean and what force can you see?

Attract means that the two opposite poles, the north and south poles on a magnet, pull together.

2. What does repel mean and what force can you see?

Repel is when two of the same poles, for example the north and north poles or the south and south poles, push away from one another when they are near each other.

