

Name: _____ Date: _____



What happens when the north and south poles of magnets are put together? Use magnets to copy the pictures below and find out!

What happens when north poles are put together?



- The north poles attract each other.
- The north poles repel each other.
- Nothing happens when north poles are put together.

What happens when south poles are put together?



- The south poles attract each other.
- The south poles repel each other.
- Nothing happens when south poles are put together.

What happens when a north pole and a south pole are put together?



- The north and south poles attract each other.
- The north and south poles repel each other.
- Nothing happens when north and south poles are put together.

I have found out that when poles that are the same are put together they...

I have found out that when poles that are different are put together they...

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What happens when south poles are put together?



What happens when a north pole and a south pole are put together?



I have found out that when poles that are the same are put together they...

I have found out that when poles that are different are put together they...

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Today you will be exploring what happens when magnets are put together. Answer the questions below and then draw each example you test.

What do you think will happen when like poles (poles that are the same) are put together? _____

What do you think will happen when opposite poles are put together? _____

Draw a diagram for each test and describe what happened for each example:

North pole to north pole:

South pole to south pole:

North pole to south pole:

Conclusion:

What happens when like poles are put together?

What happens when opposite poles are put together?

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What happens when magnets are put together? Investigate with a variety of different magnets and choose three examples to draw below. Use arrows to show the direction in which the forces are acting.

Example 1:

Example 2:

Example 3:

What did you find out from your investigation?
