Watch me work!

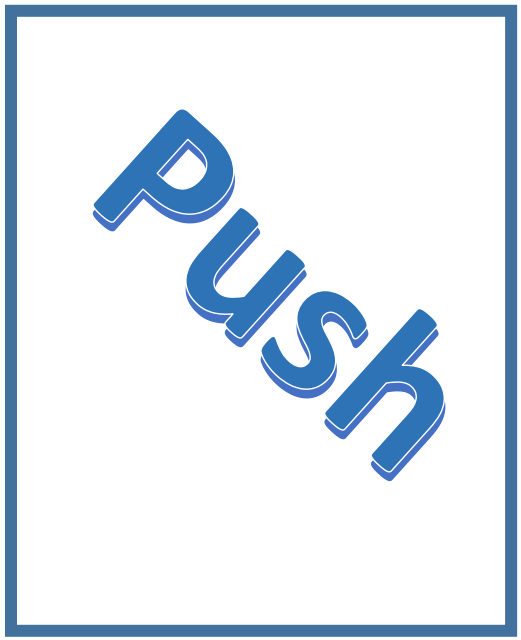
1. Each player will have all four-student response cards.
2. Place all the picture cards face down in the box on the left.
3. Flip over one card at a time to the box on the right.
4. Each group member will analyze the picture to see which student response cards describe how position and motion are being changed using a push, a pull, a push and a pull, or neither**.**
5. Each group member will place the response they think is correct face down.
6. When all the students have their cards face down, turn the cards over and discuss your responses.
7. Be sure to use academic vocabulary words; force, position, motion, push and pull.

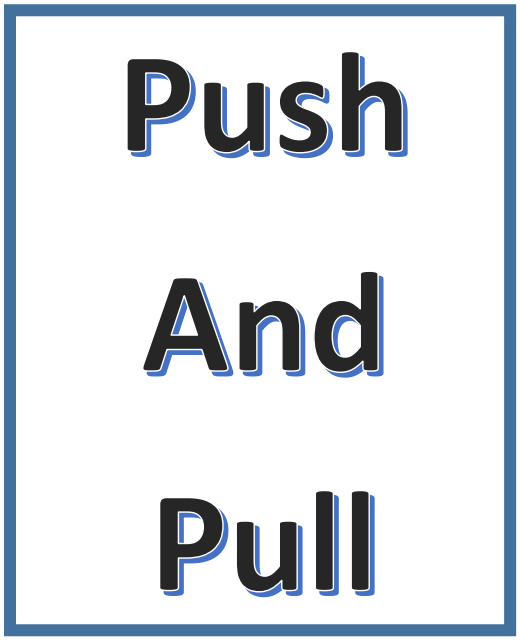
Place the picture cards here face down.

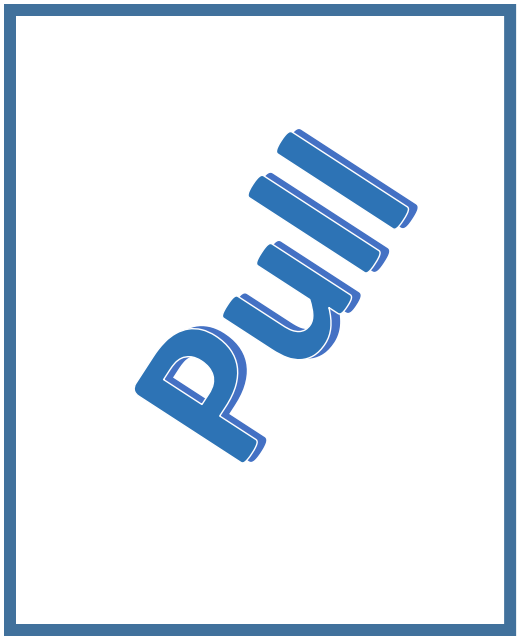
Only flip over one card at a time.

Force-A-Mania

There are forces changing the position of objects everywhere. Work with a partner to sort the force pictures below to see how pushes and pulls are changing the world around us.







Use the sentence stem below to help guide your conversation.

I think that the force used in this picture is a _____. The reason I believe this is_____.

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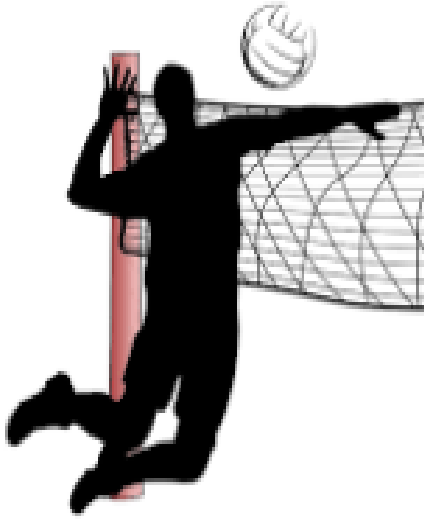

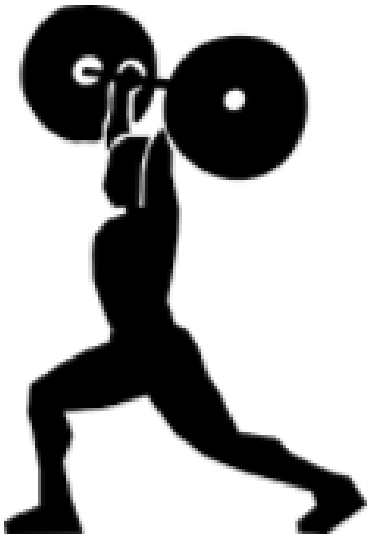

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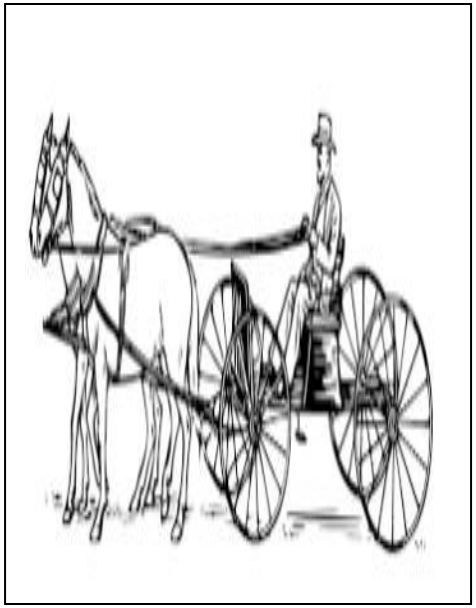

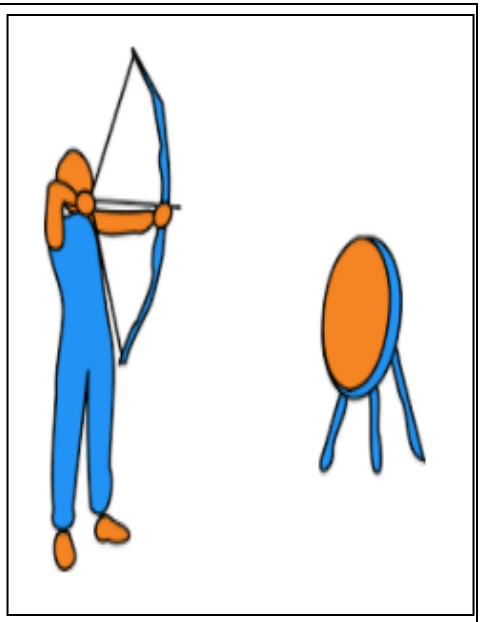

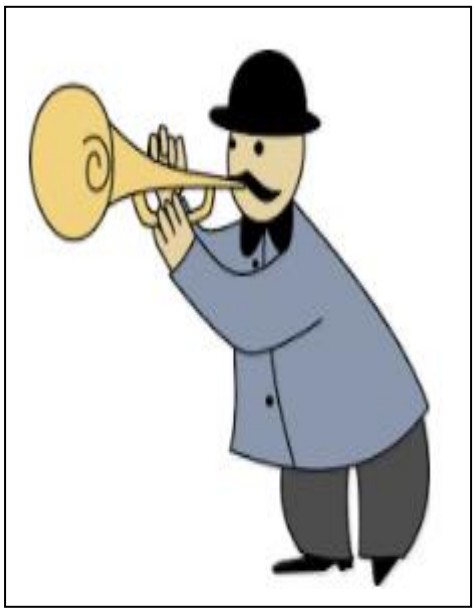

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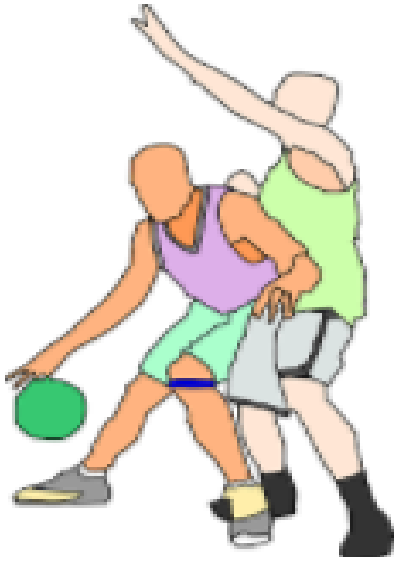

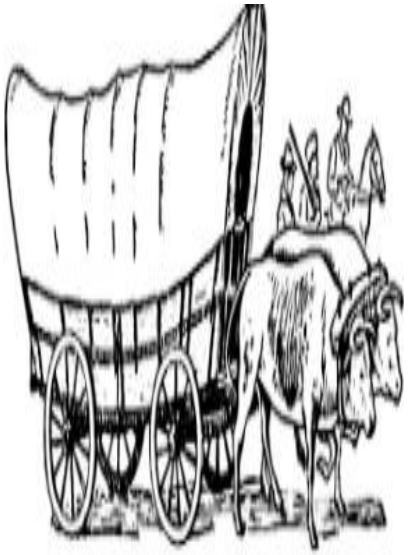

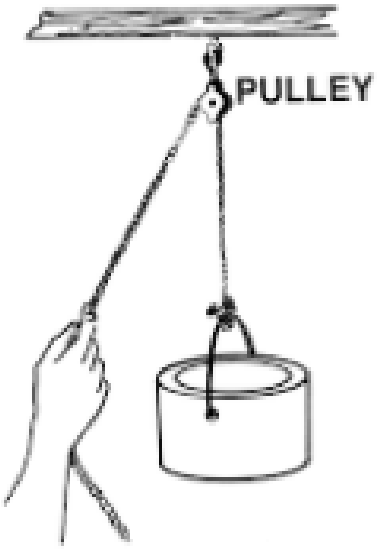

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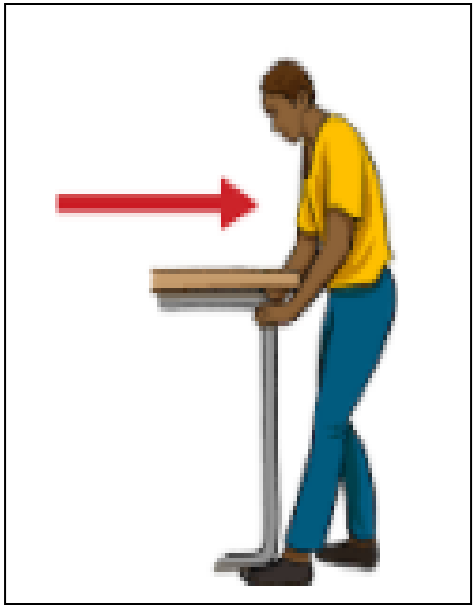

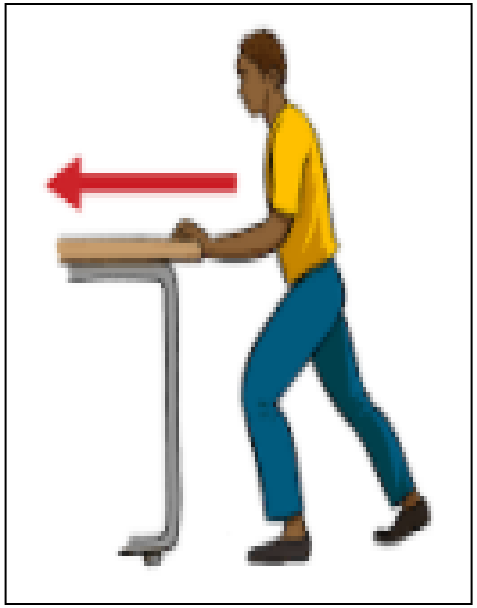

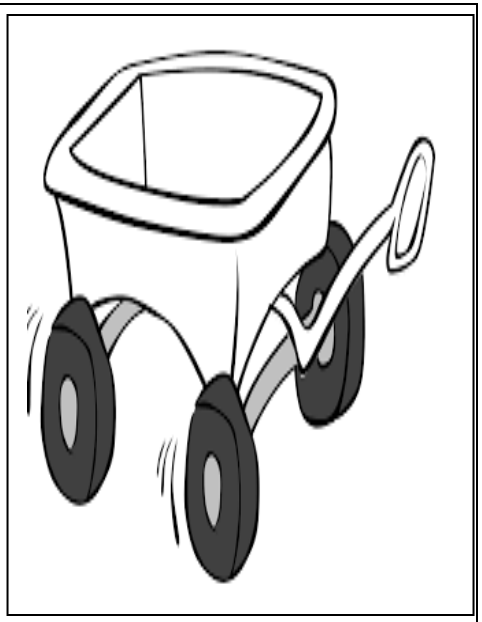

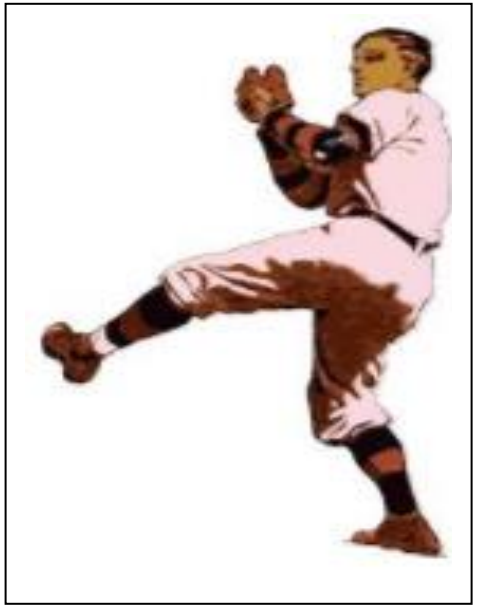

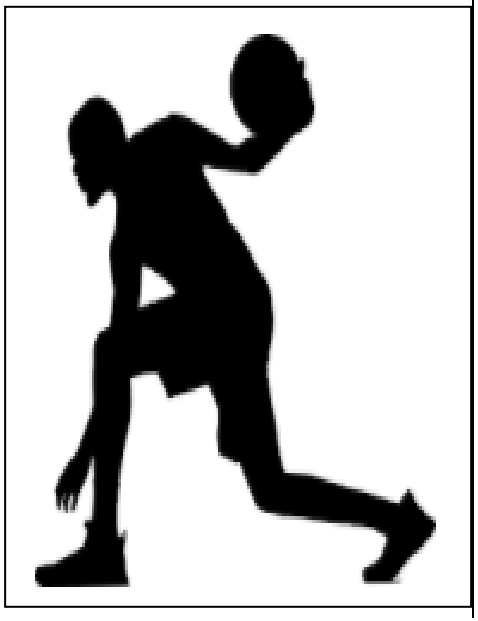

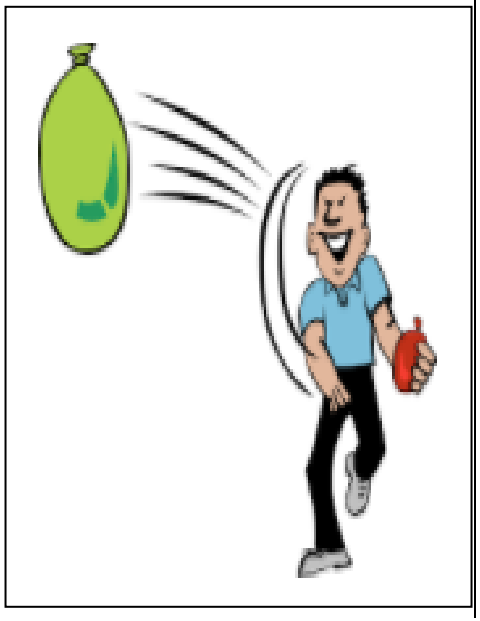

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Student Response **Card 1** **This card represents a push only.**	**Student Response** **Card 2** **This card represents a pull only.**	**Student Response** **Card 3** **This card represents a push and a pull.**	**Student Response** **Card 4** **This card does not represent a push or a pull.**
Student Response **Card 1** **This card represents a push only.**	**Student Response** **Card 2** **This card represents a pull only.**	**Student Response** **Card 3** **This card represents a push and a pull.**	**Student Response** **Card 4** **This card does not represent a push or a pull.**

Gravity Scavenger Hunt

There are thirty-two cards in the deck. How many cards can you find that are hiding the force called gravity? Analyze each card to discover where gravity is hiding.

For Example.

I think I found the force gravity because people ski on mountains and gravity pulls the skier down the mountain to the ground. I found gravity acting on the skier!

I found Gravity.

Place The Card Deck Here

I did not Find Gravity.

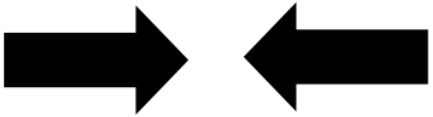
Use the sentence stem below to help guide your conversation.

I think I found the force gravity because _____.

A Magnet is...

An object that creates a magnetic field that attracts any item containing iron, tin, or steel.

ATTRACT means to pull closer.



REPEL means to push away.

POLES

Poles are places on a magnet where the pull or magnetic force is the strongest.

Every magnet has a north pole and a south pole.

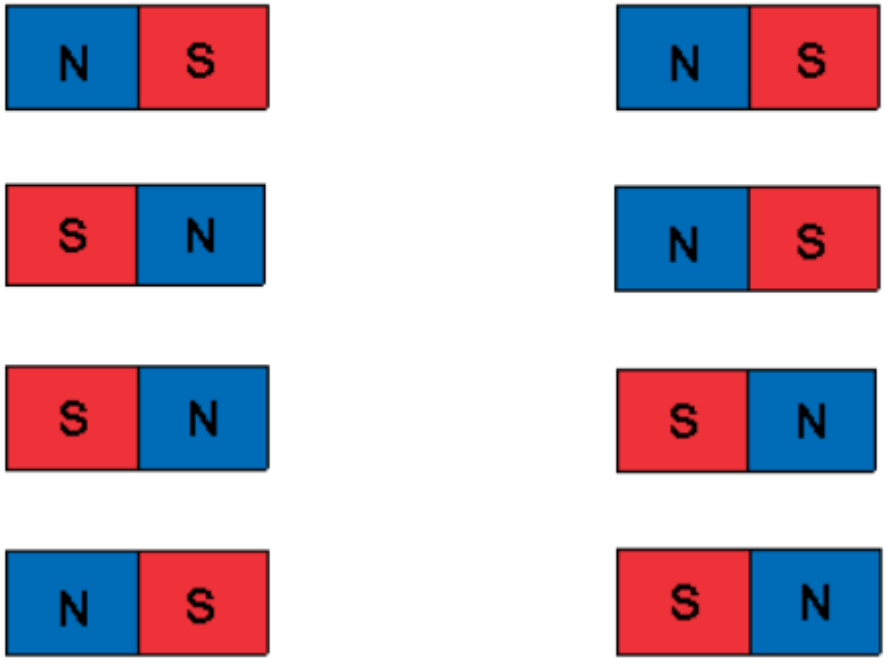
Two poles that are different attract each other.

Two poles that are the same repel each other.

Place the appropriate word between the magnets.

Attract or Repel?

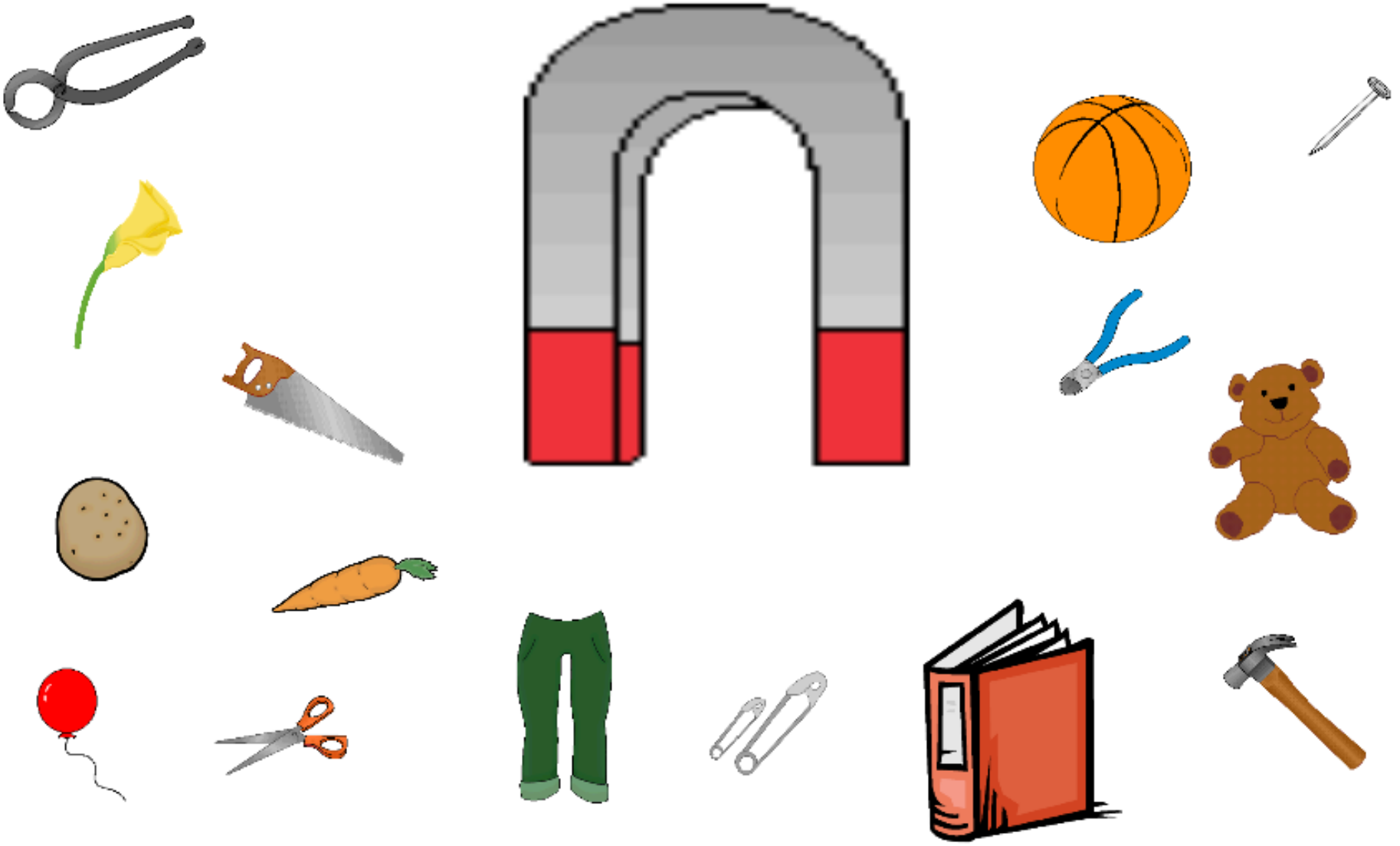
Will these magnets attract or repel?



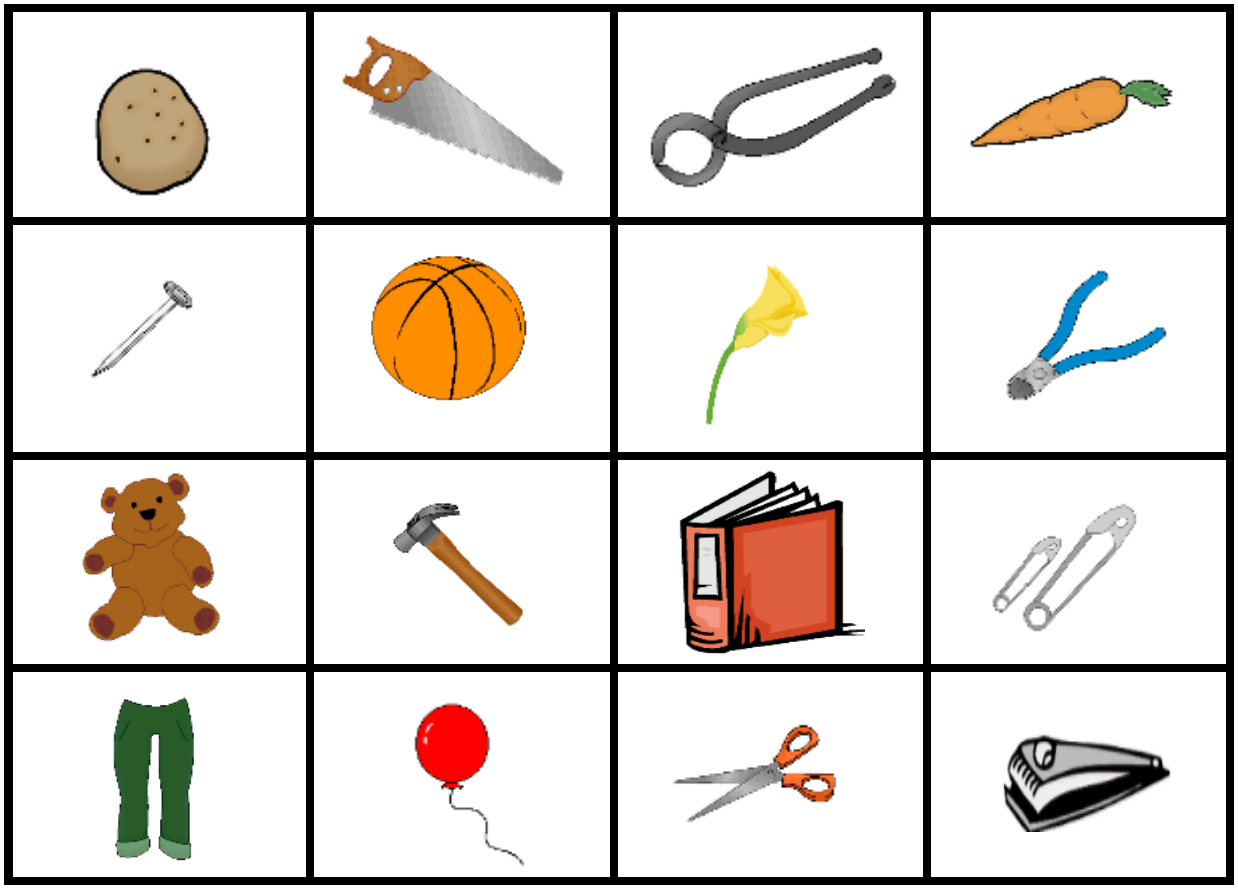
Word box

attract attract
attract attract
repel repel
repel repel

What does a magnet attract or pull closer?



Cutouts for magnetism



Attract
Attract
Repel
Repel