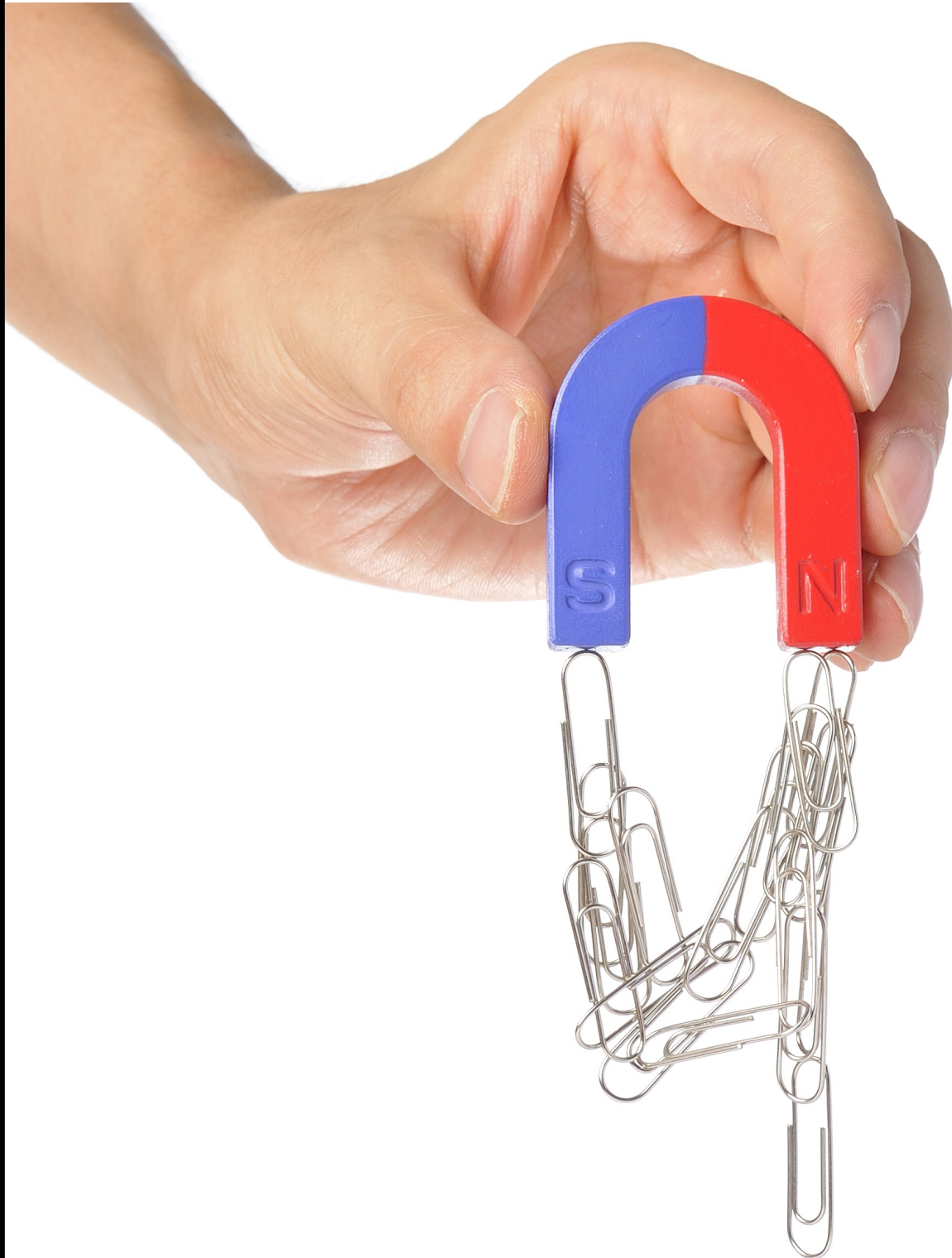


MAGNETS



Magnets



Magnets are everywhere. They are in games, cars, refrigerators, and...



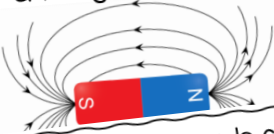
Magnets are pieces of metal that have the power to attract other pieces of metal.



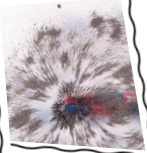
Magnets can come in a variety of shapes and sizes.



A magnet creates an area of magnetism all around it called a magnetic field.



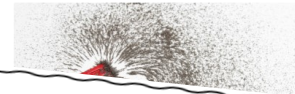
What it will do to things. Can it pull on things similar to the...



When you place an object in a magnetic field (like the filings), it will be affected.



The closer you are to one of the poles, the stronger the magnetic field.



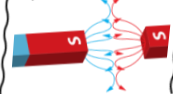
All magnets have two ends called poles. One is called a north pole and the other is called a south pole.



When magnets are close together, they either start to pull on one another or...



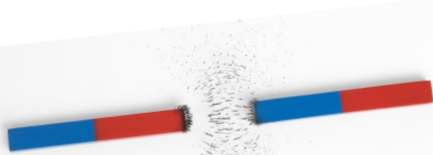
With one pole of one magnet and one south pole of another, like poles repel and unlike poles attract.



When poles repel, they push away from each other.



When poles attract, they come together.



Look around your classroom. What things are magnets?



How do you know that the Earth is a magnet? The Earth has a north pole and a south pole.

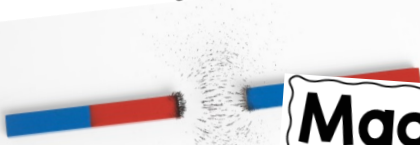


Televisions, microwaves, and mobile phones are all magnetic. The list can go on and on and on.



Attract

What happens when unlike poles pull together.



Repel

What happens when like poles push away.



Magnets

Magnets are made of iron or steel. They are attracted or repelled by other magnets.



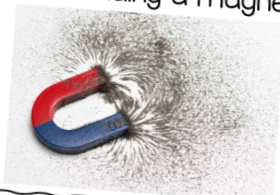
Poles

Either of the two points of a magnet where the lines of magnetic force meet and are strongest.



Magnetic Field

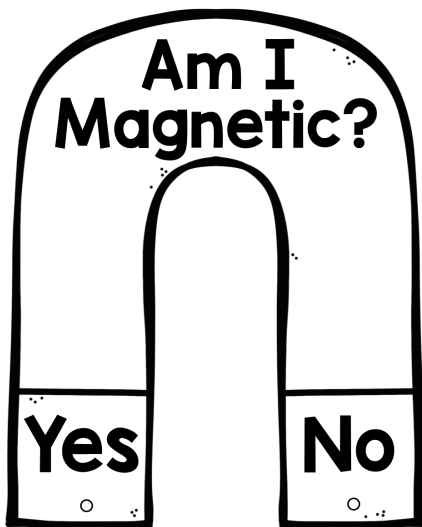
A region of magnetic force surrounding a magnet.



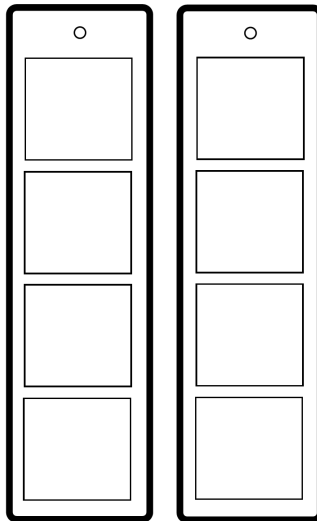
Magnetism

The force of magnets.

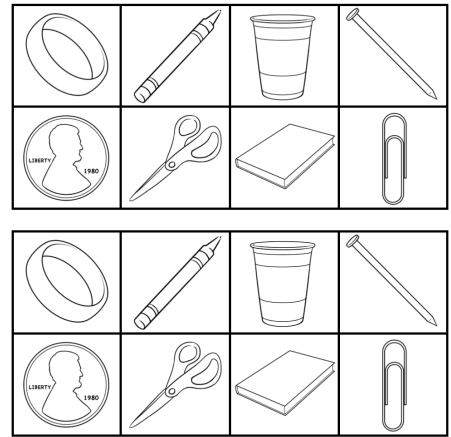




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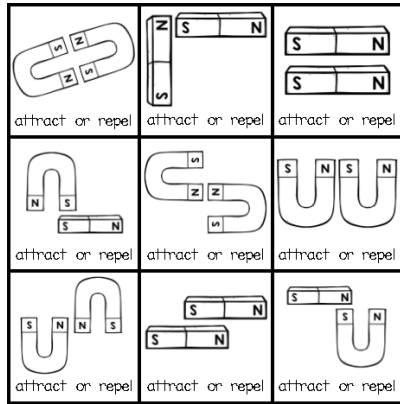


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Name: _____

Attract or Repel?

Look at the poles of each magnet in the picture. Do they attract or repel? Circle the answer.



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Name: _____

Magnet Size and Shape

Record the number of paperclips for each magnet used.

Type of Magnet	Paperclips for small magnet	Paperclips for large magnet

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Name: _____

Magnet Size and Shape

Record the number of paperclips for each magnet used.

Type of Magnet	Paperclips for small magnet	Paperclips for large magnet

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Name: _____

Am I Magnetic?

Predict if each object is magnetic or not. Then test your predictions and record your answer.

Object	Prediction (yes or no)	Results (yes or no)
Crayon		
Spoon		
Coins		
Nail		
Scissors		
Foil		
Key		
Pencil		
Desk		
Book		

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Name: _____

Magnetic Force

Place a magnet on either side of the object below. If the magnetic force is strong enough to pass through the object, circle "yes". If not, circle "no".

	yes no		yes no
cloth		wood	
	yes no		yes no
glass		plastic	
	yes no		yes no
paper		hand	

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Name: _____

Magnetic Force

Place a magnet on either side of the object below. If the magnetic force is strong enough to pass through the object, circle "yes". If not, circle "no".

	yes no		yes no
	yes no		yes no
	yes no		yes no

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