

SIMPLYkinder

Created by [Rediscovered Families](#) for Simply Kinder

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Setting Up the Experiments

I. Is it Magnetic? A sorting experiment

Materials

- One large magnet
- A container of items to test for magnetic properties such as: aluminum foil, paperclips, rubber bands, blocks, cotton balls, coins, plastic and metal spoons, toothpicks, iron nails, steel wool, washers, pipe cleaners.
- Recording sheets if using
- Magnetic and non magnetic signs
- Two smaller containers

Experiment I (simple sorting activity)

Cut out the [sorting cards](#) (magnetic and non magnetic). Place them in front of the smaller containers.

Students use the magnet to see which items will be attracted to it. The items are sorted into magnetic and non magnetic.

Experiment 2 (with [worksheet 1](#))

Students sort the items with their magnets and then record which items are magnetic.

They record what they notice about all the items that are magnetic.

Experiment 3 (with [worksheet 2](#))

For this experiment you will need a container with 7 small objects. Make sure to include some metal that is not magnetic.

Children take out each object, record it on the chart, try to predict whether it will be magnetic or not, and then test it with their magnet.

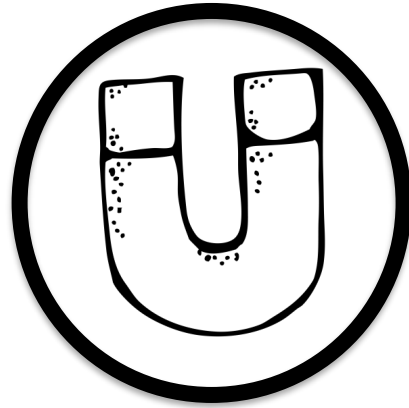
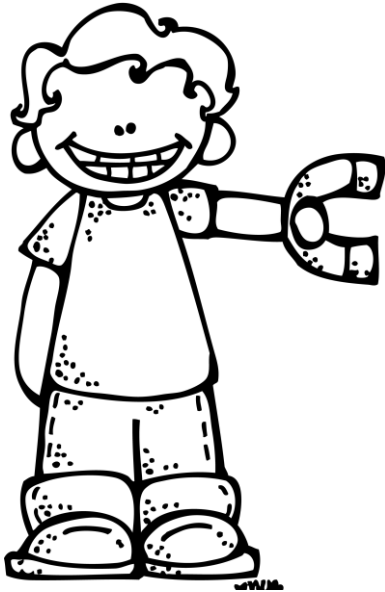
2. What happens when you place two magnets near each other?

Materials

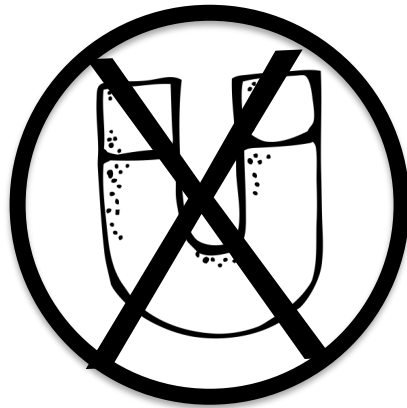
- Two bar magnets with the North and south poles marked. You can use a permanent marker to mark the poles if necessary. Click [here](#) to get instructions for determining which is the north pole of a bar magnet.
- [Worksheet](#)

Children follow the instructions on the worksheet to discover what happens when they put like and unlike poles apart.

magnetic



not magnetic



magnetic



not magnetic



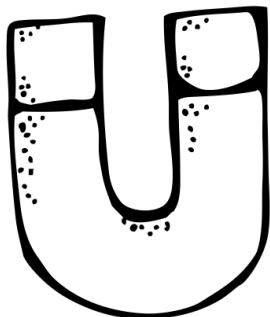
Name: _____

Investigating Magnets

Let's hunt for magnetic objects!
These are things that will stick to our magnet



Write down all the Magnetic objects you find



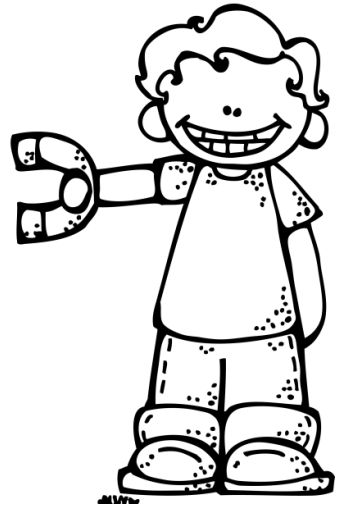
What did you notice about the things that were magnetic?

Name: _____

Investigating Magnets

Directions:

1. Pick up an object
2. Write the name on the chart below
3. Do you think it will be magnetic? Write yes or no on the chart.
4. Test the object with your magnet. Does it stick? Write yes or no in the chart.



Object	Do you think it will be magnetic?	Is the object magnetic?



What did you discover?

Name: _____

Investigating Magnets

You will need two magnets



1. Put the two North poles together. Record what happens.

2. Put the two South poles together. Record what happens.

2. Put the North and South poles together. Record what happens.



What did you learn about magnets?
