

MAGNETS

What Is a Magnet?



A magnet attracts certain kinds of metal.

Attract means to pull towards.


If something

net.

Examples

magnets:

plastic button		NO
key		YES 😊



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Magnets come in different shapes and sizes.



Everyday Magnets

Magnets are used most every day.

Example: You may have magnets on your refrigerator to hang up pictures and notes.

Different types of magnets

This is a **bar** magnet.



This is a **horseshoe** magnet.



A North

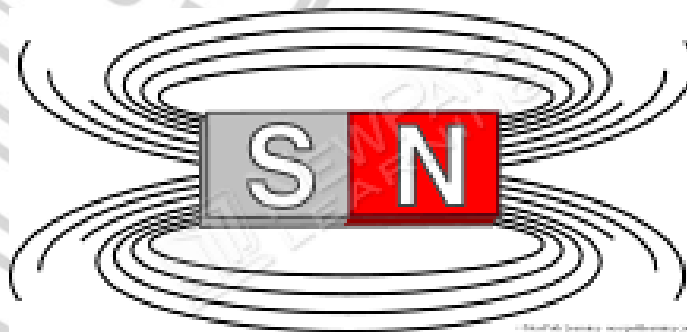
A magnet

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The Strength of a magnet

Some magnets are stronger than other magnets.
The invisible field around a magnet is called a **magnetic field**.

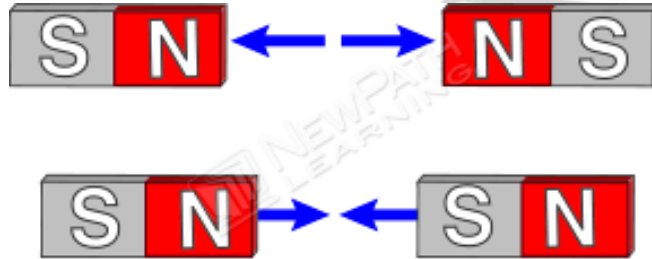


*Let's check what we have learned so far:
Can you see a magnetic field?*

What Does a Magnet Attract?

The north pole on a magnet attracts the south pole of another magnet.

The north pole on a magnet **repels** the north pole of another magnet.
Repel means to push away.



Magnets attract certain kinds of metal such as iron.

Magnet attracts with MORE force when object is CLOSE.

Magnet attracts with LESS force if the object is FAR AWAY.



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Temporary

A temporary

A permanent

Compass



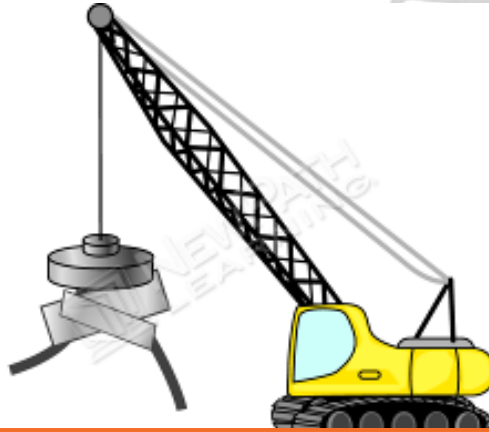
A **compass** is a tool with a small needle that responds to the Earth's magnetic field by always pointing North.

*Let's check what we have learned so far:
 What does repel mean?*

Other Uses of Magnets

Magnets are used by recycling plants when they sort through piles of trash. The magnets help sort out the metal items.

Construction workers use special magnets to lift heavy metal objects.



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