

## MAGNETS

### What is a Magnet?



Magnets attract certain kinds of metal such as iron.  
Iron is a kind of metal.  
A magnet has two poles, a north and south pole.

Its north pole is on one end and its south pole is on the other end.



### What do

Magnets can  
**Attract** metal  
If something



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is a magnet.



A paper clip will be  
attracted to a magnet.  
If you put a magnet near  
a paper clip, the paper  
clip would stick to the  
magnet.

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

A magnet attracts with more force when the object is close. So if you  
put the paper clip on your desk right near the magnet, the magnet will  
pull the paper clip toward itself.

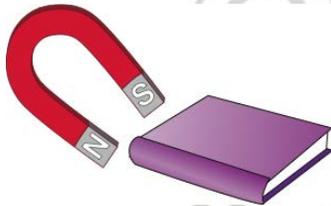
A magnet attracts with less force if object is far away. If you put the  
paper clip on another desk, the magnet on your desk will not be able  
to attract it.

*What are some objects that ARE attracted to magnets?*

*Paper clip, iron nail*

### No Attraction

Many objects are not attracted by magnets at all. If you were to put a magnet near a book, nothing would happen at all.



*What are some objects that are NOT attracted to*



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### Magnets

**Repel** means to push away.

The north pole on a magnet **repels** the north pole of another magnet.

