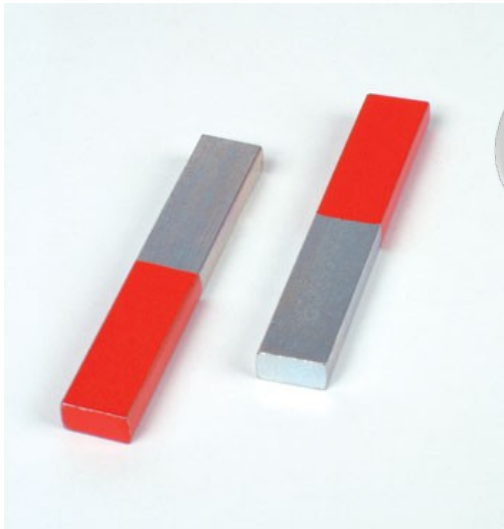


An Introduction to Magnets



Only Preview

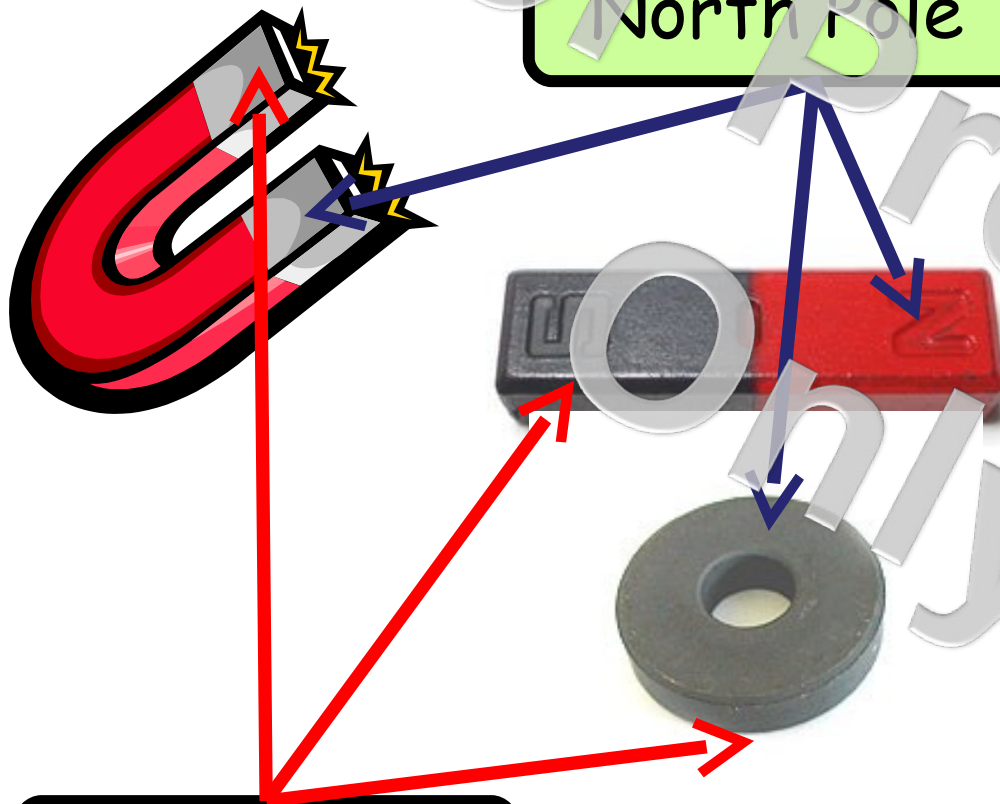
What is magnetism?

Magnetism is an invisible **force**. It pulls metal objects which are magnetic towards a magnet.



Poles on a Magnet

North Pole

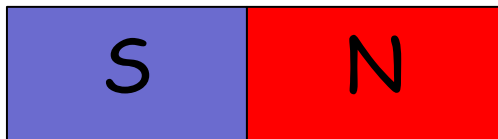


South Pole

All magnets have two poles - a South pole and a North pole. You can see them marked on these pictures.

Attraction

Poles that are different **attract** each other.
This means the invisible magnetic force will pull the poles together like this.



Repulsion

Poles that are the same do not attract each other. These will **repel**. This means they will push each other apart and will not touch or attract each other at all.

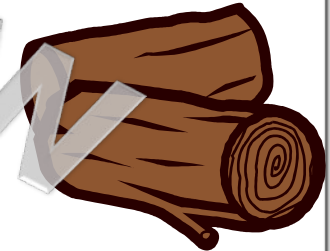


Are Materials Magnetic?

Some materials are **magnetic**. Magnetic materials are **attracted** to a magnet.



Some materials are **not magnetic**. These materials are **not attracted** to a magnet.



Metals and Magnetism

Some metals are **magnetic**. Objects made of these metals are often **attracted** to a magnet.

Iron

Nickel

Cobalt

Steel



Some metals are **not magnetic**. Objects made of these metals are **not attracted** to a magnet.

Copper

Silver

Lead

Aluminium

Gold