

Magnet



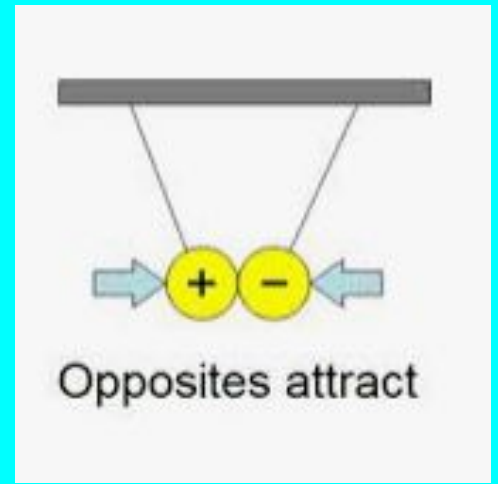
Magnet

a rock or a piece of metal that can pull certain types of metal toward itself.

Attract

Attract

to pull to or draw toward itself



Iron

Iron

Iron is a metal and the sixth most common chemical element in the universe



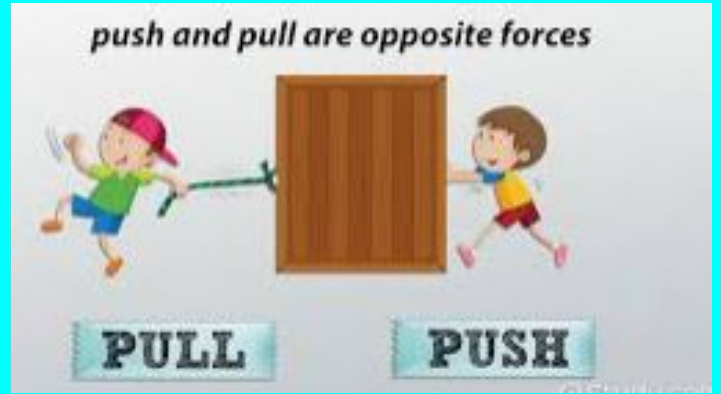
Cobalt

Cobalt

Cobalt is a transition metal, which is an element that is shinier, harder, and less reactive than other metals



Force

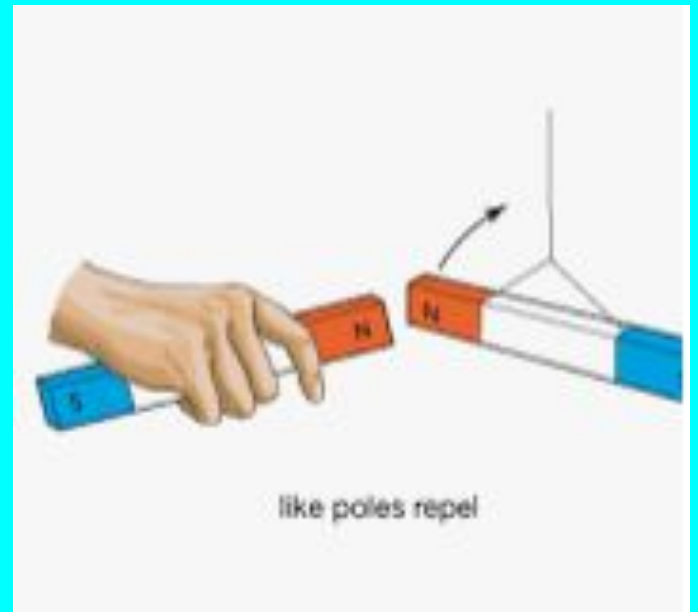


Force

A force is a push or a pull.

Repel

Repel
to push away



Steel

Steel

Steel is iron mixed with carbon and perhaps other metals.



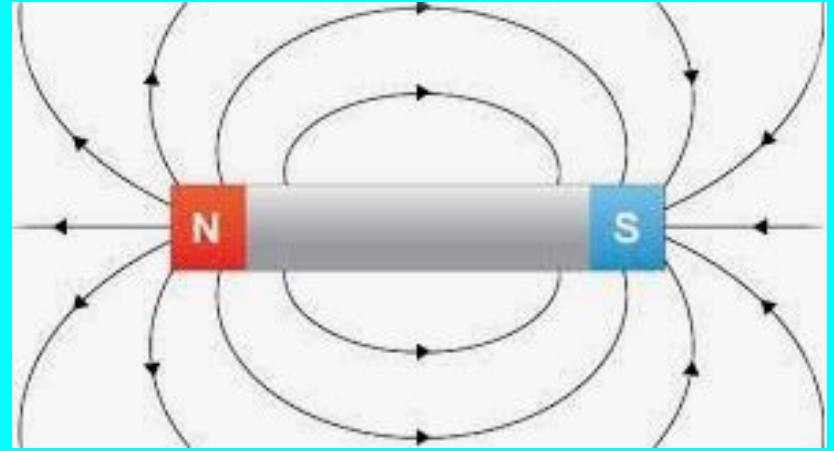
Nickel



Nickel

a hard silvery white metallic chemical element

Magnetic force



Magnetic force

attraction or repulsion that arises between electrically charged particles because of their motion.

Magnetic materials

Examples of magnetic materials:

Metals like



nickel knife



cobalt coin



Steel spoon



iron nail

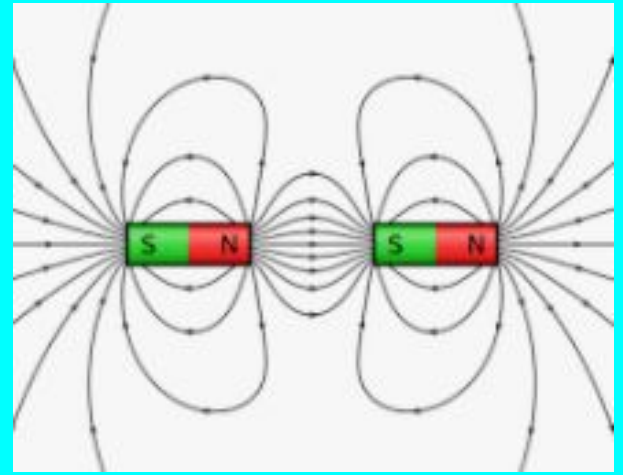


steel paperclip

Magnetic materials

materials that can be either attracted or repelled when placed in an external magnetic field and can be magnetised themselves

Attracted magnetic field



Attracted magnetic field

The magnetic field is the area around a magnet that has magnetic force

Non-magnetic materials

Examples of non-magnetic materials:



paper



glass



plastic



rubber

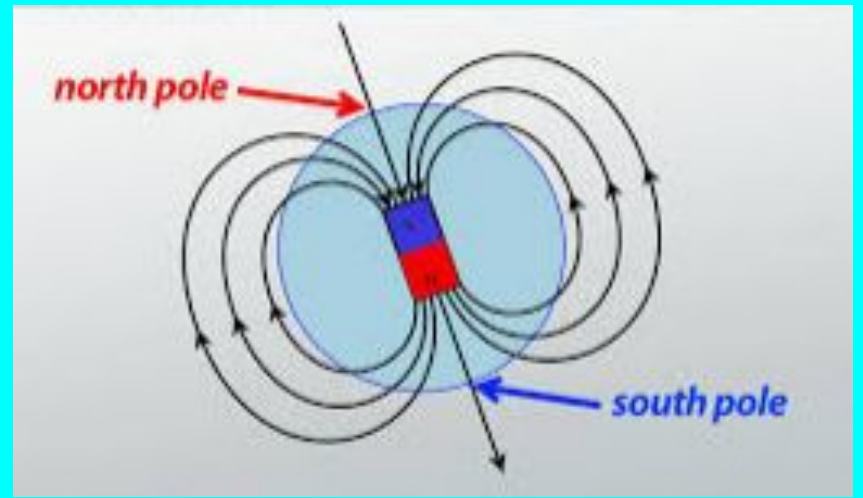


wood

Non-magnetic materials

materials which are not attracted by a magnet are called non-magnetic materials

Magnetic poles



Magnetic poles

the region at each end of a magnet where the external magnetic field is strongest.

Materials



Materials

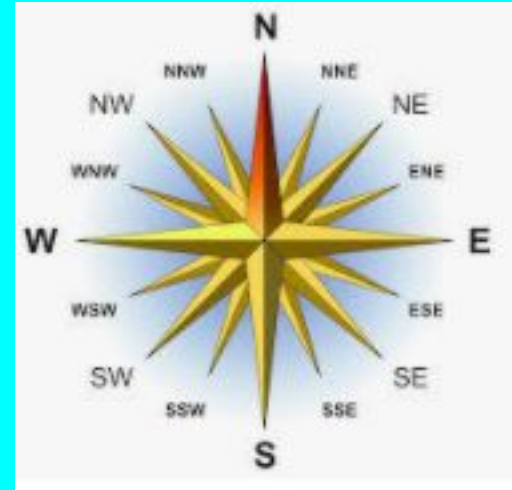
A material is any substance that has a name.

Invisible

Invisible

unable to be seen

North



North

North is one of the four compass points or cardinal directions.

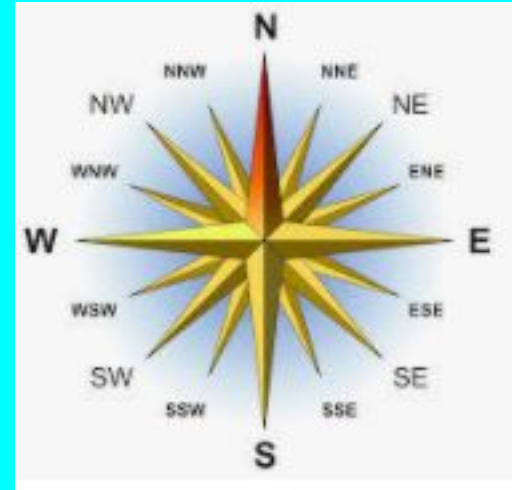
metal

metal

A metal is a material that, when freshly prepared, polished, or fractured, shows a lustrous appearance, and conducts electricity and heat relatively well.



south



South

South is one of the cardinal directions or compass points