

MAGNETS

What are the characteristics of a magnet?

What is a Magnet

- Magnets are special objects that attract or pull objects made of magnetic metals

Examples of what a magnet looks like



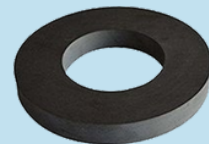
U-Shaped
Magnet



Bar
Magnet



Circular
Magnet



Ring
Magnet

- As seen above, magnets come in different shapes and sizes

Did you know?

- **Most magnets** are made of magnetic metals such as **iron** and **steel**.
- **Other magnets** are made of magnetic metals such as **nickel** and **cobalt**.

What are the characteristics of a Magnet?

- **Magnets can only attract magnetic materials**
- However, **not all** objects are attracted to a magnet

Magnetic Materials

- Magnetic materials are those that are attracted by a magnet.

Examples



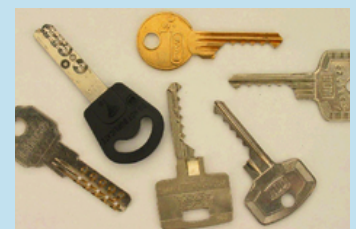
Scissors



Iron Nail



Steel Paperclip



Keys

Take Note!

- Magnetic Materials are usually metals like



Iron



Steel



Nickle



Cobalt

- However, not all metals are magnetic materials.
- **Some metals are non-magnetic.**

Some metals are non-magnetic

- The metals that are non-magnetic are

Examples



Gold



Aluminum



Silver



Copper

- Non-magnetic metal cannot be magnetised

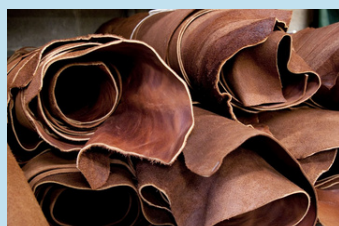
Non-Magnetic Materials

- Non-magnetic materials are those that are not attracted by magnets.

Examples



Cloth



Leather



Rubber



Glass

Exercise 1

Can you identify which are the magnetic and non-magnetic materials?



Paper



Scissors



Keys



Wool



Spoon



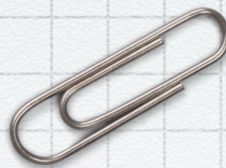
Water



Steel Chains



Apple



Steel
Paperclip



Rubberband

?



Correct Answers

Exercise 1

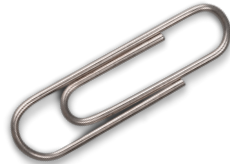
Magnetic Material



Steel Chains



Scissors



Steel
Paperclip



Keys



Spoon

Non-Magnetic Material



Paper



Wool



Water



Apple



Rubberband

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