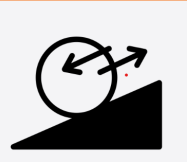


## What is force?

What is a force?



A force is a push or pull acting on an object as a result of the object's interaction with another object.

## How do different surfaces effect friction?

Fair testing



What will you change?

What will you keep the same?

Investigation



What are you trying to find out?

## Why do different surfaces effect friction?

When is friction useful?



If your shoes have a bumpy pattern on the sole, you are using friction! The pattern creates friction which helps stop you from slipping over.

## Are all materials magnetic?

What is a magnet?



A magnet is a metal which attracts or repels other materials.

Magnetic materials



Magnetic materials are attracted to magnets. This means they will stick

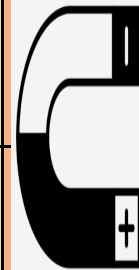
Non-magnetic materials.



Non-magnetic materials are not attracted to magnets and will not stick to

## Which poles attract or repel?

Opposite poles



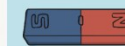
A distinguishing feature or quality that are specific to a species.

Like poles (poles that are the same)

Grouping things based on their characteristics so that they can be identified.

## What affects the strength of magnetic force?

There are lots of different types of magnets:



Bar magnet



Cylindrical magnet



Horseshoe magnet



Button magnet



Ring magnet



Square magnet



Arc/crescent magnet