



Key Vocabulary

magnetic, forces, surface, push, pull, attract, repel, magnetic pole, north, south.

Forces

What are forces?

-A force is the push or pull in a particular direction.



-Forces are shown by arrows in diagrams. The bigger the arrow, the bigger the force. The direction of the arrow shows the direction of the force.

Pushes and Pulls



 -A push is the force that moves an object away from something.



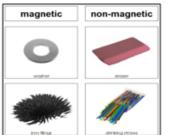
- -A pull is the force that brings an object towards something.
 - -A push and a pull are opposite forces.

KNOWLEDGE ORGANISER

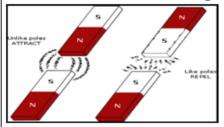


Assessment question: How do magnets work?

Magnets



- -A magnet is made of materials that create a magnetic field.
- -Magnets create a 'magnetic force' that causes objects to **attract** (pull closer together) or **repel** (push further apart).
- -Magnets can act at a distance.



- -Magnets have a north pole and a south pole.
- -Like poles repel.
- -Unlike poles attract.

Magnetic Materials

Non-Magnetic

Iron Steel Nickel Cobalt Gadolinium Copper Gold Rubber Wood Leather