


Which of these magnets will **attract** and which will **repel**?



We have found out that magnets can attract or repel each other but can you think of any other materials that are magnetic (meaning they are attracted to magnets)?


Magnetic

Non-magnetic



Magnetic

Non-magnetic



Magnetic

Non-magnetic




Magnetic

Non-magnetic



Magnetic

Non-magnetic



Magnetic

Non-magnetic



Magnetic

Non-magnetic



Magnetic

Non-magnetic

Which of these materials do you predict would be magnetic? Why?

Today you will be testing different materials to see whether or not they are magnetic. To do this, you can put the material you are testing next to the magnet to see if there is either an attraction (which will draw the material to the magnet) or a repulsion (the magnet will push the material away from it). If nothing happens, it means that the material is not magnetic.

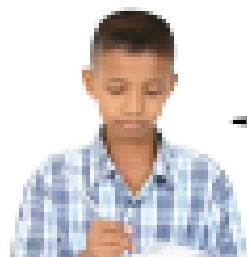


Some objects (such as TVs, computers and other electronic equipment) may be damaged if brought into contact with a magnet, so keep away!

You can use a fridge magnet or a magnet from a game.

However, if you do not have any magnets at home, watch the video below and use the objects you see in your 'experiment'.

<https://www.bbc.co.uk/bitesize/topics/zyttyrd/articles/zw889qt>



Which materials are magnet? Find lots of different materials to test and predict whether they will be magnetic or non-magnetic before testing with a magnet to find out if you were correct!

Material	Prediction	Magnetic	Non-magnetic

Which of your predictions were incorrect?

What do you notice about the materials that are magnetic?

Using what you have found out, can you predict some more materials that you think would be magnetic?