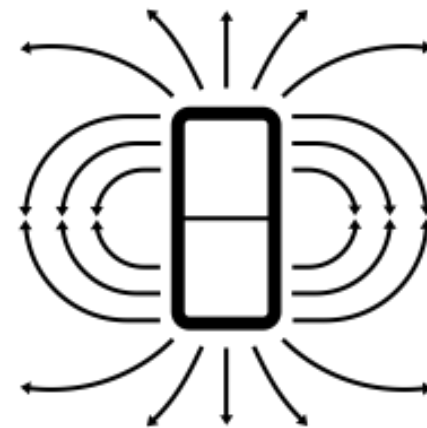


Year 3 Forces Frenzy Knowledge Organiser

Metal	Magnetic	Strong	Electrical conductor	Heavy
Copper	X	✓	✓	✓
Aluminium	X	X	X	X
Gold	X	X	✓	✓
Iron	✓	✓	✓	✓



Magnetic field

A **force** will change the motion of an object which either causes it to move, speed up, slow down, make it stop or change direction.

Push is a force used when moving objects away.

Pull is a force used when bringing objects closer.

Friction is a **force** between two surfaces moving across each other. It acts in the opposite direction to movement and always slows down a moving object. It keeps your shoes from slipping and stops car tyres from skidding.

The rougher a surface, the higher the amount of friction.
The smoother a surface, the lower the amount of friction.

Magnets have a North (N) pole and a South (S) pole.

Like magnetic poles will repel (N = N / S = S).

Opposite magnetic poles will attract (N=S / S=N)

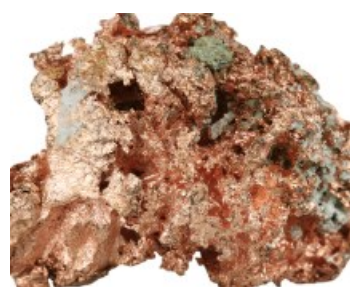
There are only 3 magnetic metals:



nickel



iron



copper

