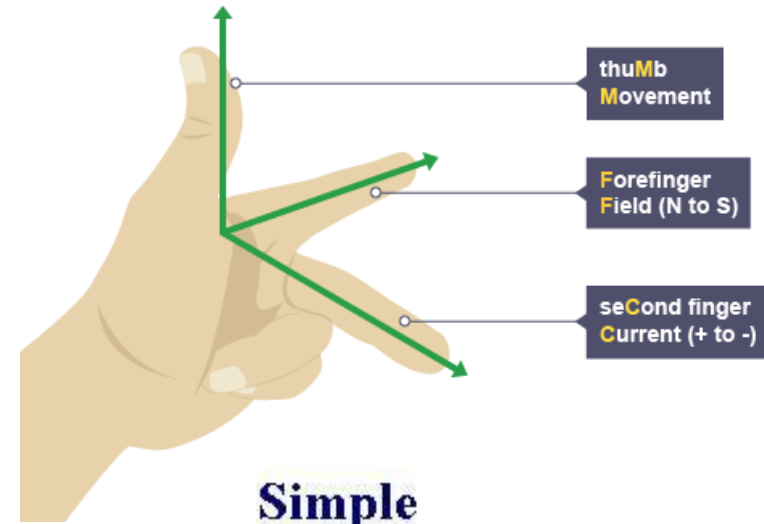
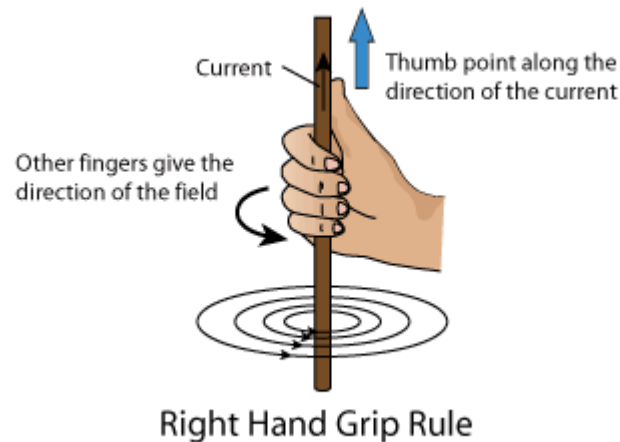
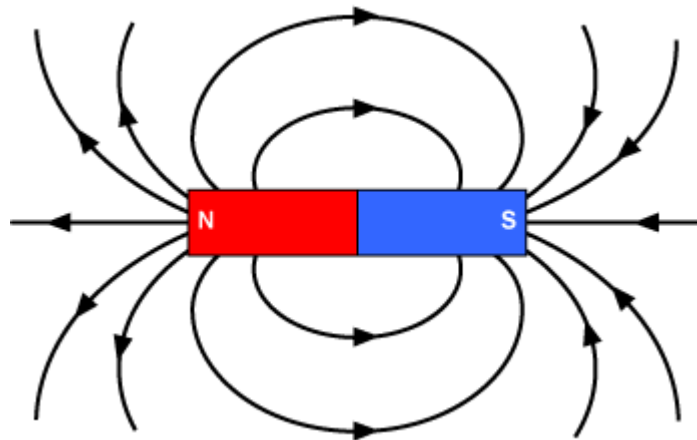


## Key Terms

## Knowledge Organiser – Magnetism and Electromagnetism

## Diagrams

Magnetic	Materials that are attracted by a magnet.
North-seeking pole	The end of the magnet that points north.
South-seeking pole	The end of the magnet that points south.
Permanent magnet	A magnet which produces its own magnetic field. It always has a north and a south pole.
Induced magnet	A magnet which becomes magnetic when it is placed in a magnetic field.
Right-hand grip rule	A way to work out the direction of the magnetic field in a current-carrying wire if you know the direction of the current.
Solenoid	A solenoid is a long coil of wire.
Flux density	The number of lines of magnetic flux in a given area. $F = B \times I \times L$ Force = magnetic flux density x current x length
Motor effect	The force produced between a conductor carrying a current within a magnetic field and the magnet producing the field



### Simple Electric Motor

