

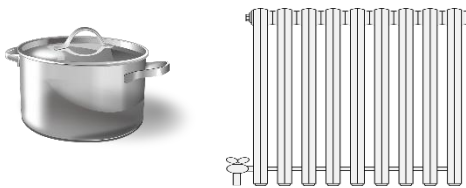
SCIENCE - Properties of Materials

Year 5 - Lent Term 1

Thermal Insulators - Do not let heat travel through easily such as fabrics, wood and plastics. Can keep heat in or out.



Thermal Conductors - Lets heat travel easily through such as metals.



When things get hot, atoms start to vibrate. Heat produces energy. This could cause them to change state!

Key words

Magnetism - a non-contact force created by a magnet

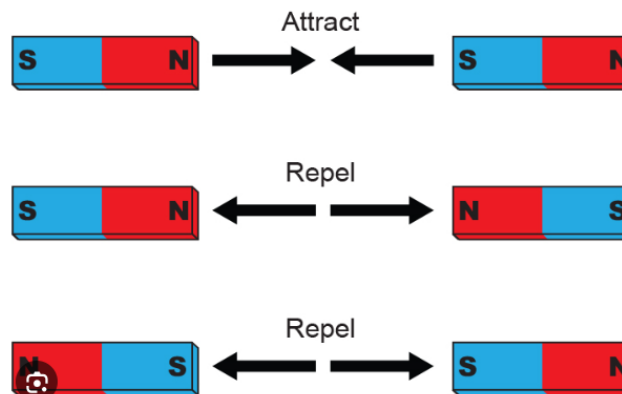
Transparency - an object or material that allows all light to pass through it.

Electrical Conductivity - how easily electricity passes through something.

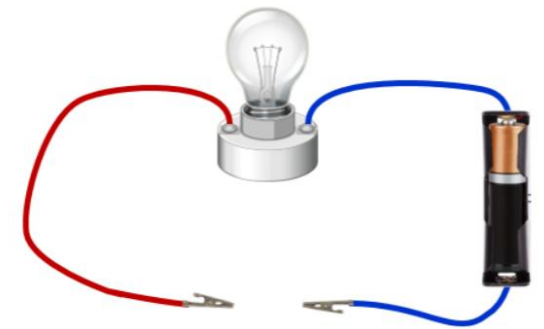
Insulators - materials that do not let heat pass through easily.

Insulating Heat - using materials that slow down heat transfer.

Heat Transfer - when energy moves from hot to cold.



We can test whether a material is **conductive** by placing it within a **circuit**.



insulator

a material that does not let electricity pass through it easily



conductor

a material that lets electricity pass through it easily