







Knowledge Organiser Year 5 and 6

Unit: Properties of Materials

Properties of Materials

conducts energy	
insulates energy	
transparent	
waterproof	
durable (strong)	
magnetic	

Soluble Materials

Some solids **dissolve** in water (**SOLUBLE**).

coffee sugar salt jelly



Some solids do not **dissolve** in water (**INSOLUBLE**).

pepper sand wax



Everyday Materials

Metal saucepans **conduct** heat to warm food.

Wooden spoons and plastic handles **insulate** heat so hands do not get burned.

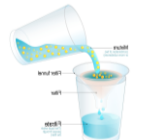


Separating Materials

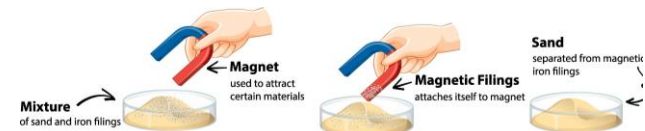
Sieving



Filtering



Magnetism















Magnetic metals:

- iron
- nickel
- steel

Knowledge Organiser Year 5 and 6

Unit: Properties of Materials

Rocket Words

	conductive	a material that allows heat and/or electricity to pass through it
	magnetic	material that is attracted to a magnet
	thermal	using or producing heat
	conduction	heat moving from one object to another through contact
	hardness	resistance to scratching and pressure
	force	when an object is acted upon by a pull or push motion in a specific direction
	dissolve	to mix with a liquid and become part of the liquid
	solute	a substance that can be dissolved in liquid
	solvent	a substance that can dissolve in a solute, water is a solvent
	substance	any material, such as sugar
	filtering	the separation of a mixture using a tool with small holes to separate particles
	evaporation	the process where a liquid changes into a gas