Year 5 Science Collectable – Materials

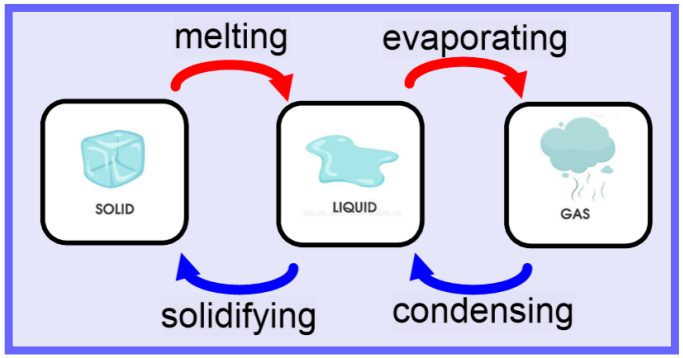
St Margaret's Academy

Key Vocabulary

soluble - a substance that dissolves in water. *Sugar is soluble.*	*thermal conductor* - a material that transmits (passes on) heat. *Metal is a good thermal conductor.*
transparent - allows light to pass through so that objects behind them can easily be seen. *Windows are transparent.*	*insulator* - a material that does not conduct heat or electricity. *Rubber is a good insulator.*
translucent - allows some light to pass through. You can see through it but not clearly (semi-transparent.-) *A lamp shade is translucent.*	*water resistant* - a material that blocks water. It is waterproof. *The bag was made of water resistant materials.*
opaque - Blocks light from passing through it so you cannot see through it. *The wooden door is opaque.*	*magnetic* - attracted by a magnet. Many metals are magnetic, such as steel. *Paper clips are magnetic.*
electrical conductor - a material that transmits (passes on) electricity. *Metal wires are electrical conductors.*	*flexible* - capable of bending easily, without breaking. *The fabric is warm and flexible.*
absorbent - able to soak up liquid easily. *The sponge is very absorbent.*	*brittle* - hard but likely to break easily under force. *A snail's shell is brittle.*

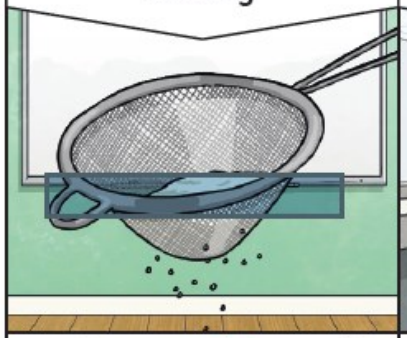
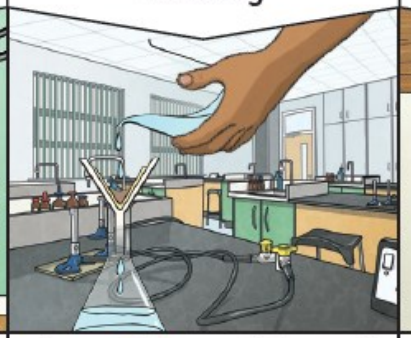
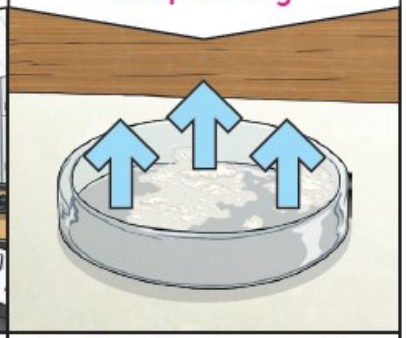
A **material** is the substance that something is made out of.





Key Knowledge

Reversible changes, such as mixing and dissolving solids and liquids together, can be reversed by:

Sieving	Filtering	Evaporating
		
Smaller materials are able to fall through the holes in the sieve, separating them from larger particles.	The solid particles will get caught in the filter paper but the liquid will be able to get through.	The liquid changes into a gas, leaving the solid particles behind.