




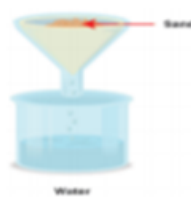
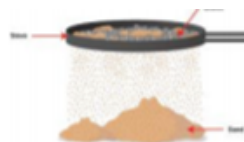


Science Knowledge Organiser—Year 5— Properties and Changes of Materials

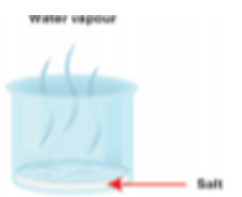
Material	Properties	Uses
wood 	opaque hard strong	table 
metal 	shiny smooth reflective	fork 
plastic 	waterproof bendy translucent	water bottle 
glass 	transparent waterproof hard	window 
brick 	hard rough dull	wall 
rock 	strong hard rigid	fireplace 
paper 	tears easily translucent flexible	book 
cardboard 	dull non-reflective opaque	boxes 
fabric 	flexible Soft absorbent	clothes 



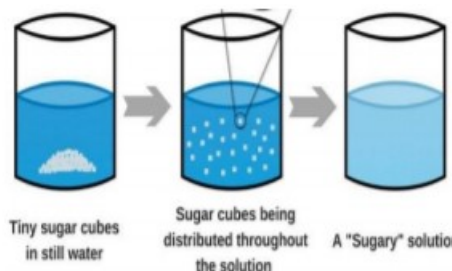
Filtering



Sieving



Evaporating



Dissolving

Claude Louis Berthollet



Claude Louis Berthollet was known for his scientific contributions chemistry. Berthollet was the first to demonstrate the bleaching action of chlorine gas, and was first to develop a solution of sodium hypochlorite as a modern bleaching agent.

Vocabulary Dozen

Solubility	Whether a material can dissolve.
Transparent	Allows light to pass through.
Conductivity	Whether it allows heat or electricity to carry through.
Dissolving	The process by which a solid, liquid or gas breaks down into small particles and mixes with a solvent so that it can no longer be distinguished separately in the solution.
Solution	Is made when one substance dissolves into another
Mixture	A substance made by mixing other substances together.
Reversible change	Can be reversed back to its original state.
Irreversible change	Cannot be reversed back to its original state.
Evaporation	the process of turning from liquid into gas.
Condensation	A process by which a substance changes from a gaseous state to a liquid state
Filtering	A process by which impurities or particles are removed from a fluid, either a liquid or a gas.
Sieving	A simple technique for separating particles of different sizes