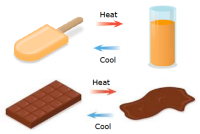
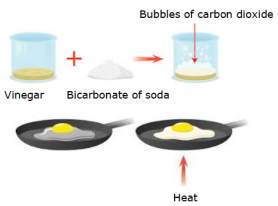
Year 5 - Properties and Changes of Materials

Chemistry

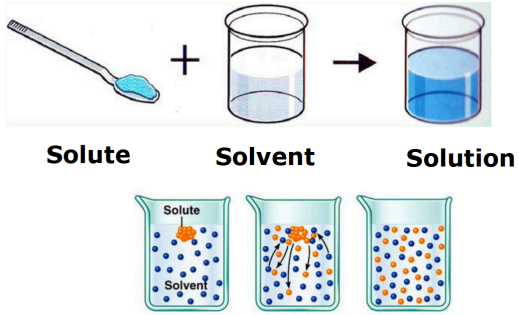
Key vocabulary

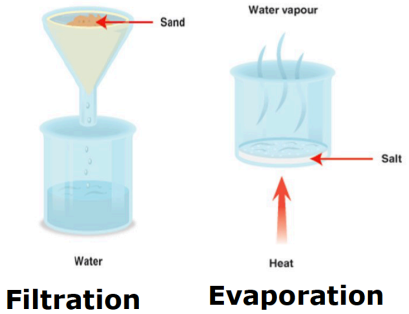
condensation	How much of a substance is dissolved in water. If a solution is concentrated, more particles of the substance are present.
dissolve	Some substances dissolve when you mix them with water. When a substance dissolves, it looks like it disappears.
evaporate	When a liquid changes state and turns into a gas.
insoluble	When a substance cannot dissolve in a particular solvent, .e.g sand is insoluble in water.
irreversible	A change which cannot be undone.
reversible	A change which can be undone.
saturated	A saturated solution is a solution in which there is so much solute that if there is any more it would not dissolve.
solubility	The ability of a substance to dissolve.
soluble	Substances that dissolve in water are called soluble substances.
solute	The dissolved substance in a solution.
solution	Mixture formed by a solute and solvent.
solvent	The liquid in which the solute dissolves to form a solution.
suspension	The state in which the particles of a substance are dispersed but not totally dissolved in a fluid
thermal conductor	Allows heat to pass through.
thermal insulator	Does not allow heat to pass through.

Chemical and Physical Changes

Physical changes Easy to reverse No new substance formed		Chemical changes Difficult to reverse New substance is formed	

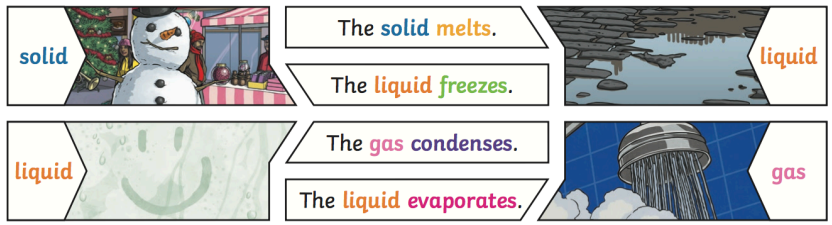
Solutions

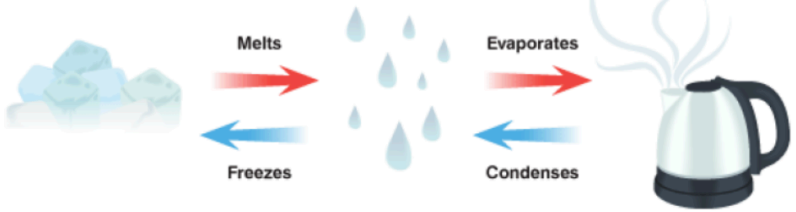


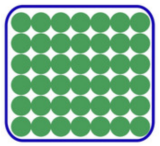
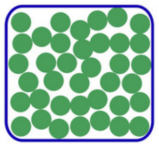


Filtration | Evaporation

Changes of State





The 3 States of Matter

Solid	Liquid	Gas