




Ice to water




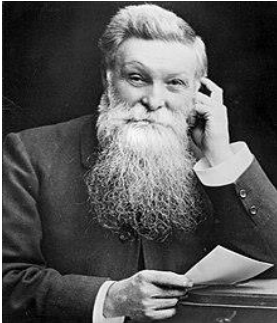
Melted chocolate



Wood to ash



Flour, eggs and milk to cake

**Linked Scientist:**  
**John Dunlop (1840-1921)**  
 Famous for inventing inflatable bike tyres.  
 Developed cycling in the sport we love today.

<u>Vocabulary</u>	<u>Definition / Meaning</u>
insulator	A material or an object that does not easily allow heat, electricity, light, or sound to pass through it.
conductor	A material or an object that does easily allow heat, electricity, light, or sound to pass through it.
dissolve	To become incorporated into a solution.
soluble	A material that is able to dissolve in water.
insoluble	A material that cannot dissolve in water.
sieving	A way to separate materials from one another due to their size.
filtration	A mixture of solids and liquids are separated using paper with tiny holes trapping the solid particles.
evaporation	Liquid elements can be heated and turned into a gas, leaving solid particles behind.
magnetism	The metallic particles attract to the magnet leaving other particles behind.
independent variable	The variable that can change in an experiment.
dependant variable	Variables that must stay the same to ensure a fair test
transparent	Completely see through
solution	A mixture of a solid and liquid or two liquids
reversible	A change to a material but it is not permanent
irreversible	A change that will last forever