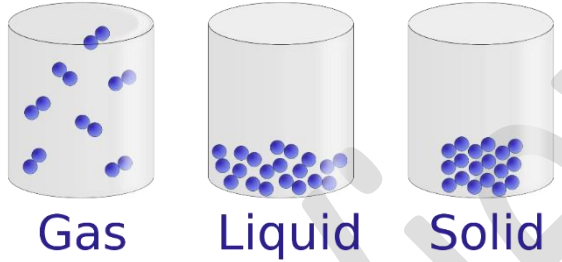


Properties and Changes of Materials

Key Vocabulary	
Conductor	A material or device which allows heat or electricity to carry through
Dissolve	A solid that completely mixes in with a liquid and cannot be seen.
Evaporate	The process of turning from liquid to vapour
Insoluble	Solids that do not dissolve in a liquid.
Insulator	A material or device which DOES NOT allow heat, electricity, or sound to carry through
Irreversible	Can not be turned back to its original state
Material	The matter from which a thing is or can be made from
Reversible	Can be turned back to its original state
Soluble	Able to be dissolved, especially in water
Solution	A mixture of a liquid with a dissolved solid or gas



Three states of matter

GAS: particles far apart and randomly arranged / move around

LIQUID: particles close but randomly arranged / move around

SOLID: particles very close together / vibrate around a fixed position

Separating Materials



Non-reversible changes - these result in the formation of new materials	
Burning	
Mixing vinegar and bicarbonate of soda	
Rusting	

