<u>Year 4 Spring Term – Separating Mixtures</u>

<u> </u>		States	Of Matter		
	State	Solid	Liquid	Gas	dissolve
	Diagram	000000			evaporate
	Diagram		82828		filter
		888888	88458		mixture
	Arrangement of	Regular arrangement	Randomly arranged	Randomly arranged	non-reversi
	particles				
	Movement of	Vibrate about a fixed	Move around each	Move quickly in all	particle
	particles	position	other	directions	reversible
	Closeness of particles	Very close	Close	Far apart	
	particles				10 March 10
We cal	E destinations	lid spread out in a liq	solving uid.		saturated
Ne cal Ne cal Ne cal	the particles in a so Il the liquid the SOL Il the solid the SOL Il the mixture of th	VENT UTE e solid and the liquid	a SOLUTION.		
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We cal We cal We cal A solid	the particles in a so Il the liquid the SOL Il the solid the SOL Il the mixture of th I that will dissolve in I that will not dissol	VENT UTE solid and the liquid n a liquid is called SO ve in a liquid is called	a SOLUTION. LUBLE. INSOLUBLE.		
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Key Vocabulary			
dissolve	Pass into a solution.		
evaporate	Change into a vapour.		
filter	Remove by passing through a filter,		
mixture	A substance consisting of two or more substances mixed together.		
non-reversible	Incapable of being reversed into a different state.		
particle	A tiny piece of anything.		
reversible	Capable of assuming or producing either of two states,		
saturated	Being the most concentrated solution possible at a given temperature; unable to dissolve still more of a substance.		
separate	Force, take, or pull apart,		
soluble	Capable of being dissolved in some solvent.		
solution	A mixture of two or more substances; frequently (but not necessarily) a liquid solution.		
suspension	A mixture in which fine particles are suspended in a fluid where they are supported by buoyancy.		