## Year 5: Why is the learning of chemistry important?

What is chemistry? Chemistry is the study of matter (materials).				Vocabulary	
Scientists who study chemistry are called chemists.			acid	A substance with a PH below 7.	
Words to describe the properties of a material				burning	To reduce something to ash.
conductivity	The ability of a material to let electricity or heat pass through it.			dissolve	When a solid looks like it has 'disappeared' in the liquid.
hard	The ability of a material to resist being dented.				
magnetic	A material that creates a magnetic field.			electrical conductor	A material that allows electricity to pass through it.
solubility	The ability of a material to dissolve.			electrical insulator	A material that does not allow electricity to pass through it.
transparency	How much light a material allows to pass through it.				
solid particles Some materials can be mixed together to create a <u>mixture</u> or <u>solution</u> . Sometimes you can undo what you have mixed together. This is called a <u>reversible change</u> . We can reverse these changes in different ways depending on which change took place.			insoluble	A material that does not dissolve in water.	
				mixture	When substances are mixed together.
			Some solid materials will <b>dissolve</b> in a liquid to form a	rusting	A chemical reaction between iron, water and air.
				solubility	The ability to dissolve.
Sieving	Filtering	Evaporating	You add the solid tea leaves (teabag) to the hot liquid (water) and create a new <u>solution</u> , 'tea'. For those who wish to make their tea a little sweeter, they will add some solid	soluble	A material that dissolves in liquid.
				solution	When a material dissolves in another.
				thermal conductor	A material that allows heat to pass through it.
				thermal insulator	A material that does not allow heat to pass through it.
Smaller materials are ab to fall through the holes the sieve, separating the from larger particles.	in get caught in the filter a	he <mark>liquid</mark> changes into gas, leaving the solid articles behind.	sugar. Once the sugar has dissolved, it has created a sweeter solution.		17: All children have the out information schools