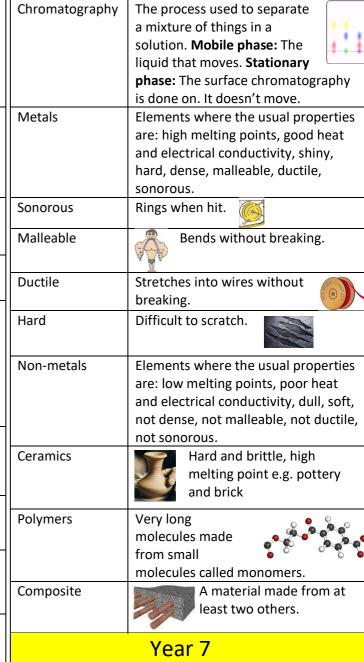
The big picture
The building blocks of everything
The periodic table
Elements, compounds and mixtures
Compounds
Conservation of mass
Is it pure?
Purifying rock salt
Distillation
Chromatography
Metals
Non-metals
Composites, ceramics and polymers

Key ideas and terms			
Periodic table	Contains useful information about the known elements.		
Period	The horizontal rows in the periodic table.		
Group	The vertical columns in the periodic table. The elements in a group react in similar		
Atom	Everything is made from atoms, including you. Atoms are tiny particles that are far too small to see, even with a microscope. They are indivisible.		
Element	There are over a hundred different elements. The atoms in a particular element are identical to each other.		
Compound	A substance that contains atoms of two or more different elements and these atoms are chemically joined together.		

Mixtur	nat contains different Conpounds and molecules
	cally mixed but not
	nded. Because es are easily
	as are easily
Chemic	number and types of atoms N
formul	
	nitrogen atoms. \bigcirc
	oxygen atom.
Reacta	es at the start of a chemical S
	Products reaction.
Produc	es made in a chemical
	→ Products reaction.
Conser	s of all the reactants used
of mas	
	otal \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
	PRODUCTS
	e in 🔼
Pure	reaction.
Pure	tance is pure when it only ns one substance and is not
	ure.
Filtrati	e want to
	cles of solids
Evapor	e want to
(the	from a mixture
experir	lissolved solids.
Distilla	A method to separate two
	liquids based on their
	boiling points.
Conde	mical cools from a
	to a liquid
Conde	mical cools from to a liquid



Year 7
Elements, compounds and mixtures