

Science Knowledge Organiser

Y8 Matter: Elements

Key Terms:	
Atom:	The smallest particle of an element that can exist.
Chemical formula:	Shows the elements present in a compound and their relative proportions.
Compound:	Pure substances made up of two or more elements strongly joined together.
Elements:	What all substances are made up of, and which contain only one type of atom. Atoms can be separate or a molecule.
Mixture	consists of two or more different substances, not chemically joined together. Can be easily separated without a chemical reaction.
Molecules:	Two to thousands of atoms joined together. Most non-metals exist either as small or giant molecules. Can be an element or a compound.
Polymer:	A molecule made of thousands of smaller molecules in a repeating pattern. Plastics are man-made polymers, starch is a natural polymer.
Pure	substance consists only of one element or one compound