

Elements, compounds and mixtures

Unscramble the phrases in the table to make the correct definitions for the key terms listed in column A (phrases can be used once, more than once, or not at all). Then write out the definitions in full, in the spaces provided below the table.

A	B	C	D	E
An element	is two or more substances added together in	how a substance	made up of	chemical bonds.
A compound	describes something about	any proportion; they are not	does not involve a chemical reaction, such as	its melting point.
A mixture		the behaviour of a substance that	only one type	they keep their own properties.
A physical property	is two or	more atoms connected	atoms are joined by chemical bonds;	the atoms are in a fixed ratio.
A chemical property	is the smallest possible particle of	made of	reacts, such as	of atom.
An atom		an element; atoms are	by	protons, neutrons and electrons.
A molecule	is a pure substance	made of two or more different elements whose	chemically bonded, so	its reactivity with water.

An element _____

A compound _____

A mixture _____

A physical property _____

A chemical property _____

An atom _____

A molecule _____

Connection completion

Choose the letter from the table below that contains the correct row of connective words to complete these sentences:

_____ both atoms of a hydrogen molecule are the same type of atom, it is called an element. _____, when an atom of hydrogen and an atom of chlorine are chemically joined together, this is called a compound. _____, if hydrogen molecules and chlorine molecules are added together in any proportion, this is called a mixture.

A	Since	However	Additionally
B	Although	Thus	Despite this
C	Nevertheless	So	Hence
D	As	Although	As a result