

Introducing chemical change

Unscrambling definitions

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
A reactant	uses chemical symbols to	show the states of	the atoms of each element in	a substance.
A product	is used sometimes to	is a new substance that	you start with in	(g) is gas and (aq) is aqueous.
A word equation		is a substance that	substances, where (s) is solid, (l) is liquid,	a chemical reaction.
A chemical formula	for a chemical reaction,	this shows the names of	is made in	an arrow.
A state symbol		show the relative number of	the reactants and products separated by	

A reactant _____

A product _____

A word equation _____

A chemical formula _____

A state symbol _____

Connection completion

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

A chemical reaction can be represented by chemical formulae in a symbol equation; _____, the equation must be balanced _____ matter cannot be created or destroyed. _____, symbol equations sometimes include state symbols because the components of the equation may be solid, liquid, gas or aqueous.

A	despite this	although	Hence
B	however	since	Additionally
C	nevertheless	so	Rather
D	additionally	because	Despite this