

11–14 years

Introducing chemical change

Unscrambling definitions



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Unscrambled definitions

A **reactant** is a substance that you start with in a chemical reaction.

A **product** is a new substance that is made in a chemical reaction.

A **word equation** for a chemical reaction, this shows the names of the reactants and products separated by an arrow.

A **chemical formula** uses chemical symbols to show the relative number of the atoms of each element in a substance.

A **state symbol** is used sometimes to show the states of substances, where (s) is solid, (l) is liquid, (g) is gas and (aq) is aqueous.

Connection completion

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

Connection completion: completed sentences

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