



## Periodic table

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A table that displays all the elements known to exist

## Molecular formula

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Gives the total number of atoms of each element in a molecule

## Octet rule

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A chemical rule that reflects how the main-group elements bond in such a way that each atom has eight electrons in its outer shell

## Ionic compounds

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These are formed when atoms gain or lose electrons





Covalent  
compounds

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Formed when  
atoms share  
electrons

Chemical  
equations

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Explains how mass  
is conserved in  
chemical reactions

Periodic table  
arrangement

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Elements arranged  
in order of  
increasing atomic  
number

Periodic table  
groups

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Periodic table groups  
together atoms with the  
same number of electrons in  
their outermost shell

