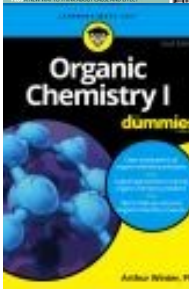




**New Scientist** magazine

A highly-regarded magazine covering science, technology, and their implications for the world. Available online via Herts Public Libraries with your library card.



**Organic Chemistry I for Dummies** by Arthur Winter

An accessible, easy-to-understand reference guide to this difficult field.



**Elemental** by Tim James

The story of the periodic table, from Ancient Greece to nuclear chemistry.

**30-Second Chemistry**

the 50 most fundamental concepts in chemistry, each explained in half a minute

**BBC Science Focus** magazine

Brings science to life with real life examples of science in use, details of major scientific developments, fabulous photography, and a Q&A section.



**Discovering Chemistry and The Molecular World** by The Open University

Free courses covering all the basics—elements, atomic and molecular structure, compounds, bonding, and reactions.



**PTable.com**

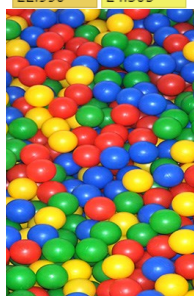
A dynamic, interactive, digital version of the periodic table, with details of properties, electrons, isotopes and compounds.

1	Atomic Symbol	Name	Weight
H	Hydrogen	1.008	
3	Li	Lithium	6.94
4	Be	Beryllium	9.0122
11	Na	Sodium	22.990
12	Mg	Magnesium	24.305

**An Introduction to**

**Polymers** by The Open University

Another free course, this time examining the uses, properties and manufacture of polymers.



**TedTalks Chemistry**

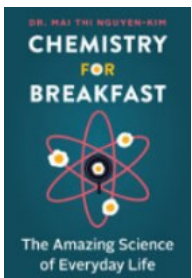
[ted.com/topics/chemistry](http://ted.com/topics/chemistry)

# Chemistry

## WIDER READING

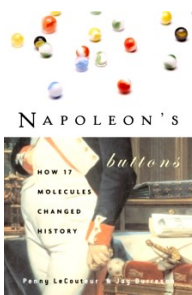


All these books are available from the school library



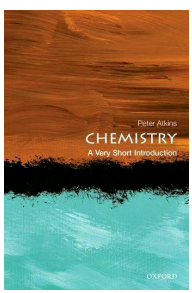
### Chemistry for Breakfast by Mai Thi Nguyen-Kim

Explains the essential chemical processes behind everyday things, like baking and toothpaste.



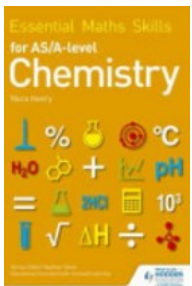
### Napoleon's Buttons by Jay Burreson and Penny Le Couteur

Did disintegration of tin buttons cause the failure of Napoleon's Russian campaign in 1812? How important are molecular properties in history?



### Chemistry: a Very Short Introduction by P.W. Atkins

A clear and rigorous exploration of the world of chemistry - its core concepts, structure, and contributions to cutting-edge technologies.

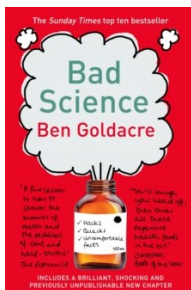
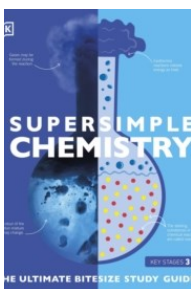


### Essential Maths Skills for A Level Chemistry by N. Henry

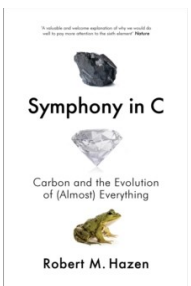
Lorem ipsum sic dolor et

### Supersimple Chemistry by DK

A clear overview of everything covered at GCSE, if you need a refresher!



**Bad Science** by B. Goldacre  
Lifts the lid on quack doctors, flaky statistics, scaremongering journalists and evil pharmaceutical corporations.



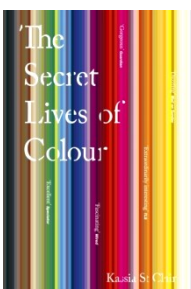
**Symphony in C** by R. Hazen  
Carbon is the building block of life, the essential component of food, fuel and air, but there are still mysteries to be solved about the element that can be both diamond and coal.



**Stuff Matters** by Miodownik  
Everything is made of something, from the tea-cup to the jet engine, the silicon chip to the paper clip, from fabrics and ceramic to today's self-healing metals and bionic implants.



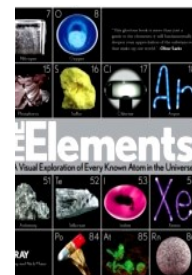
**Headstrong** by Author  
Biographies of 52 women who changed science



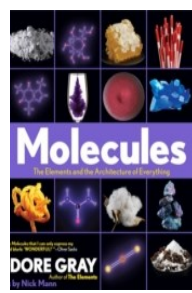
**The Secret Lives of Colour** by Kassia St Clair  
Tells the unusual stories of 75 fascinating shades, dyes and hues, from acid yellow to imperial purple.



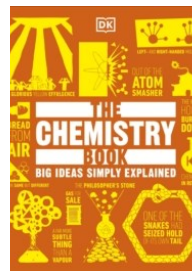
**Chemistry Review**  
A quarterly magazine written by experts, designed especially for A Level students.



**Elements, Molecules and Reactions** by Theodore Gray  
With excellent high-res photography and generated graphics, these books explore, in great detail, the characteristics of every element, how atoms bond, and how molecules interact in ways that are essential to our very existence.



**The Chemistry Book** by DK  
Packed with short, pithy explanations, from the birth of atomic theory to the development of new vaccine technologies to combat COVID-19.



**A Taste for Poison** by Neil Bradbury  
As any reader of murder mysteries can tell you, poison is one of the most enduring weapons of choice. But how exactly do these poisons work to break our bodies down, and what can we learn from the damage they inflict?

