Here's a list of website autolinks for Edexcel GCSE Combined Science topics, focusing on official and highly reputable revision resources:

BBC Bytesize – Chemistry

 **Topic 1: Key Concepts in Chemistry -** [Chemical symbols - Equations and formulae - Edexcel - GCSE Chemistry (Single Science) Revision - Edexcel - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/zcpxfcw/revision/1)

* Atomic Structure (atoms, elements, compounds, mixtures, subatomic particles, isotopes)
* The Periodic Table (arrangement, groups, periods, trends)
* Bonding (ionic, covalent, metallic bonding, structures)
* Calculations Involving Masses (relative atomic/formula mass, moles, reacting masses)
* States of Matter (solids, liquids, gases, changes of state, particle model)
* Methods of Separating and Purifying Substances (filtration, distillation, chromatography, crystallisation)

 **Topic 2: States of Matter and Mixtures** (Often covered within "Key Concepts" or expanded upon) - [Solids, liquids and gases - States of matter - Edexcel - GCSE Chemistry (Single Science) Revision - Edexcel - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/z88jy4j/revision/1)

 **Topic 3: Chemical Changes -** [Acidic and alkaline solutions - Acids and alkalis - Edexcel - GCSE Chemistry (Single Science) Revision - Edexcel - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/z8jt4qt/revision/1)

* Acids, Bases, and Neutralisation (pH, reactions of acids, salts)
* Electrolytic Processes (electrolysis, products, half-equations)

 **Topic 4: Extracting Metals and Equilibria -** [The reactivity series of metals - Obtaining and using metals - Edexcel - GCSE Chemistry (Single Science) Revision - Edexcel - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/zcgt4qt/revision/1)

* Obtaining and Using Metals (reactivity series, extraction methods like reduction with carbon and electrolysis)
* Reversible Reactions and Equilibria (factors affecting equilibrium, industrial processes like Haber and Contact)

 **Topic 5: Separate Chemistry 1** - [Transition metals - Transition metals, alloys and corrosion - Edexcel - GCSE Chemistry (Single Science) Revision - Edexcel - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/zqsxrwx/revision/1)

(This topic usually covers more advanced aspects or specific applications, often including transition metals, alloys, corrosion, quantitative analysis, chemical cells and fuel cells. The exact breakdown might vary slightly on Bitesize, but these areas will be present.)

 **Topic 6: Groups in the Periodic Table -** [Physical properties of the alkali metals - Group 1 - the alkali metals - Edexcel - GCSE Chemistry (Single Science) Revision - Edexcel - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/z3773k7/revision/1)

* Group 1 (Alkali Metals)
* Group 7 (Halogens)
* Group 0 (Noble Gases)

 **Topic 7: Rates of Reaction and Energy Changes -** [What is a rate of reaction? - The rate of reaction - Edexcel - GCSE Chemistry (Single Science) Revision - Edexcel - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/zyb4h39/revision/1)

* Rates of Reaction (factors affecting rate: concentration, temperature, surface area, catalysts)
* Heat Energy Changes in Chemical Reactions (exothermic and endothermic reactions, reaction profiles)

 **Topic 8: Fuels and Earth Science -** [Crude oil and hydrocarbons - Fuels - Edexcel - GCSE Chemistry (Single Science) Revision - Edexcel - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/zwp32nb/revision/1)

* Crude Oil and Fuels (hydrocarbons, fractional distillation, combustion)
* Earth's Atmosphere (composition, evolution, climate change)
* Earth's Resources and Sustainable Development

 **Topic 9: Separate Chemistry 2** - [Flame tests for metal ions - Tests for ions - Edexcel - GCSE Chemistry (Single Science) Revision - Edexcel - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/z9nr6yc/revision/1)

(This often includes areas like polymers, alcohols, carboxylic acids, esters, and possibly analytical techniques like instrumental analysis.)

**Official Edexcel / Pearson Resources:**

* **Edexcel GCSE Sciences (2016) Overview Page (starting point for all Edexcel Science GCSEs):** <https://qualifications.pearson.com/en/qualifications/edexcel-gcses/sciences-2016.html>
	+ From this page, you should be able to navigate to the specific Combined Science qualification, which will lead you to the specification, past papers, mark schemes, and examiner reports. Look for "Combined Science" under the GCSE section.
* **Pearson Schools and FE Colleges - Edexcel GCSE (9-1) Combined Science Support Edition:** <https://www.pearsonschoolsandfecolleges.co.uk/secondary/subjects/science/edexcel-gcse-9-1-combined-science-support-edition>
	+ This page offers resources, including course guides and planners, which can be useful for understanding the curriculum.
* **Pearson Free Online GCSE Science Lessons:** <https://www.pearson.com/en-gb/schools/subject-resources/science/tried-and-tested/support-from-pearson/free-online-gcse-science-lessons.html>
	+ While not specific to Combined Science only, these lessons cover core science topics relevant to the course.

**Reputable Third-Party Revision Websites:**

These sites often break down the specification into manageable topics and offer revision notes, practice questions, and sometimes videos.

* **Save My Exams - Edexcel GCSE Combined Science:** <https://www.savemyexams.com/gcse/science/edexcel/combined-science/>
	+ This is a highly popular resource with revision notes, exam questions, and flashcards organised by topic. You'll find specific sections for Biology, Chemistry, and Physics within Combined Science.
* **Revisely - GCSE Edexcel Combined Science Revision:** <https://www.revisely.com/gcse/combined-science/edexcel>
	+ Offers revision materials specifically for Edexcel GCSE Combined Science.
* **Cognito (Free Maths & Science Revision):** <https://cognitoedu.org/>
	+ Cognito provides video lessons, notes, and quizzes for various GCSE subjects, including Edexcel Combined Science. You'll need to navigate to the Edexcel Combined Science section.
* **Study Rocket - Free GCSE Biology (Combined Science) Edexcel Revision Content:** <https://studyrocket.co.uk/revision/gcse-biology-combined-science-edexcel>
	+ While the URL specifically mentions "Biology (Combined Science)", Study Rocket generally covers other aspects of Combined Science as well.