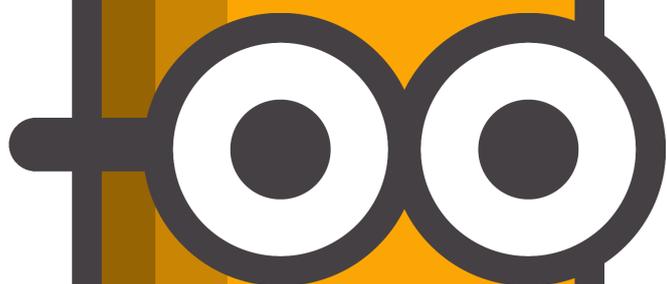


STUDY SUMMARY



Revision checklist for:

Chemistry iGCSE

Designed with Cambridge (CIE) in mind



thestudybuddy.com

STUDY SUMMARIES

These summaries cover all of the units in your exam course. It's a break down of the topics into bitesized chunks. A great way to make sure that you're on track. Use the icons to monitor your progress through our suggested revision steps.



Taught: Is this an area that you've already covered in a lesson or by independent study? This is the first step, for obvious reasons! No sense trying an exam question in something you haven't done. Be sure to check with your teacher or tutor if you find gaps.



Summarised: Summarising is a useful way of consolidating what you've been taught. This could be in note form or perhaps by talking about it out loud. Typically best to do this after being taught. And avoid transposing words from a text book. Do it from immediate memory where you can.



Flash cards: Creating flash cards is one of the most effective ways of revising. Key words, phrases, diagrams, equations or questions on one side, and the relevant explanation on the reverse. Try to keep to bullet points, rather than full descriptive text.



Self test: Whether you're checking your flashcards or taking online quizzes, self-tests are a great way of improving your retrieval. Remember to space your testing. We've left three spots, but you can always do more.



Past paper: If you've done a full past paper, or even section of a past paper to cover this area. Past papers - or full exam style questions, help you to connect the facts and knowledge in the form of full answers.



Confidence: How do you feel about this area of your course? Draw a frown, line or smile as appropriate - but do it in pencil so you can show how much more confident you're becoming!

Get Your Complete Personalised Summary

We can create these Study Summaries for all GCSE and iGCSE courses. Each one is tailored to the student's subjects and is specific to the exam board. For only £7.50 you could have all of your courses broken down and set out in this easy to use checklist.

Visit www.thestudybuddy.com/study-summaries to get yours today.

Study Summary: Chemistry - 0971

 Taught  Summarised  Flash cards  Self test  Past paper  Confidence

Acids, bases and salts

Identification of ions and gases

Preparation of salts

Types of oxides

Characteristic properties of acids and bases

Air and water

Air

Carbon dioxide and methane

Nitrogen and fertilisers

Water

Applications In Chemistry

Assess the skills of learners in the context of the content

Atomic structure & periodic table

The periodic table

Properties of transition metals (chemistry only)

The atom, symbols, relative mass, charge and isotopes

Atoms, elements and compounds

Atomic structure and the Periodic Table

Structure and bonding

Bonding, structure & matter

Bonding & structure related to substance's properties

Bulk and surface properties of matter including nanoparticles

Chemical bonds, ionic, covalent and metallic

Structure and bonding of carbon

Carbonates

Carbonates

Study Summary: Chemistry - 0971

Chemical reactions

Reversible reactions



Physical and chemical changes



Rate (speed) of reaction



Redox



Chemical Substances, Reactions and Essential Resources

1.1 The nature of substances and chemical reactions



1.2 Atomic structure and the Periodic Table



1.3 Water



1.4 The ever-changing Earth



1.5 Rate of chemical change



1.6 Limestone



Chemistry in society

Metals



Redox



Nuclear chemistry



Fertilisers



Electrochemical cells



Chemical analysis



Plastics



Chemistry of the atmosphere

Carbon dioxide and methane as greenhouse gases



Common atmospheric pollutants and their sources



The composition and evolution of the Earth's atmosphere



Study Summary: Chemistry - 0971

Organic chemistry

Carboxylic acids



Synthetic polymers



Synthetic and naturally occurring polymers



Reactions of alkenes and alcohols



Polymers



Names of compounds



Homologous series



Fundamentals of organic chemistry



Fuels



Esters



Alcohols



Carboxylic acids



Carbon compounds as fuels and feedstock



Alkenes



Alkenes



Alkanes



Alkanes



Alcohols



Crude oil



Physical chemistry

Reversible reactions and equilibria



Rates of reaction



Energetics



Principles of chemistry

The Periodic Table



Chemical formulae and chemical equations



Covalent bonding



Electrolysis



Elements, compounds and mixtures



Ionic bonding



Metallic bonding



States of matter



Atomic structure



Study Summary: Chemistry - 0971

Stoichiometry

Stoichiometry



The mole concept



Sulfur

Sulfur



The particulate nature of matter

The particulate nature of matter



The Periodic Table

Group properties



Noble gases



Periodic trends



The Periodic Table



Transition elements



Using resources

Using the Earth's resources and obtaining potable water



Life cycle assessment and recycling



The Haber process and the use of NPK fertilisers



Using materials

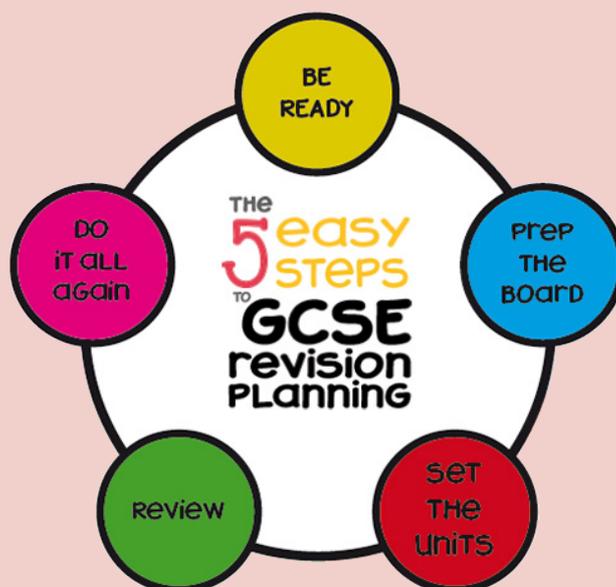


Are you using The Study Buddy to plan for success?

AS EASY AS 1, 2, 3, 4, 5...

Simple things are the best. And we've worked hard to keep our approach to revision easy to follow! This straight forward approach to revision and study will keep you on track, motivated and stress free.

1. Remove the distractions and build your backlog of work to do
2. Plan the week ahead by first marking out your commitments and social time.
3. Now allocate some of your backlog study tasks.
4. Review how the last week went, and prepare for the week ahead.
5. Keep going! Feed on the success that you've made a great start!



To find out more about our approach visit:
www.thestudybuddy.com/the-5-step-study-plan

BENEFITS INCLUDE:

- ✓ Tangible success every week
- ✓ Visual balance of free time versus study time
- ✓ Clear understanding of what has to be done
- ✓ Parents as coaches, not task masters
- ✓ Procrastination busting
- ✓ Prevents avoiding less favoured subjects
- ✓ Embeds a good mindset for life beyond school

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I can literally see what I’ve got to do and when I’m going to do it.”

Jake
GCSE Student



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