



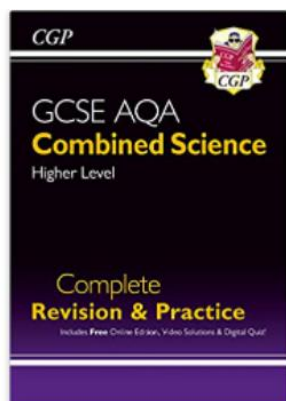
## How to effectively Revise in Science



We now know that not all revision techniques are equal. Some are far more effective than others. For example, research suggests re-reading or highlighting are unlikely to be that effective. This is because they don't make you think. Revision strategies that make you think, called active recall techniques are more effective at embedding knowledge into long term memory.

So, what are the most effective revision strategies to help improve memory?

### STEP 1 – UNDERSTAND



If your child does not understand the content in a topic, the first thing that they will need to do is ensure that they have a firm understanding. There are several different ways to achieve this e.g.

**Seneca** – this is an internet resource that explains key content and then uses quizzes to ensure understanding and recall.

**GCSE Pod** - this is an internet resource that explains key content using videos before providing quizzes to assess recall.

**Revision Guide/Notes** – these contain key material. To ensure that this is active learning, students should read the material and then summarise key points (with the book closed).

### STEP 2 – LEARN – Core questions/Flashcards

Acle Science Faculty – GCSE Chemistry – C1 Atomic Structure	
What is an atom?	The smallest part of an element that can still be recognised as that element
What is an element?	A substance made of only one type of atom
What is a compound?	A substance made of two or more different atoms chemically bonded together
What is a molecule?	A substance made of more than one atom chemically bonded together (can be atoms of the same type!)

Flashcards are a self-testing revision strategy that involves repetition. They are an 'active recall' method. They often have a simple 'cue' word or question on the front and a correct answer on the back.

By asking yourself the question and trying to recall it, it helps you to memorise facts. Through repetition, practice makes perfect!

To save time on making flashcards, you can use the core questions sheet. Fold these in half to hide the answers!

**Resources:** The core questions for all GCSE units can be found in the revision zone.

### STEP 3 – APPLY – Practice questions

To be successful, students need to be able to apply their knowledge to questions. The ability to access what a question in an exam is asking and what to write is a skill that needs to be practised. The best way to improve on these is to practise answering the questions and correct them using the mark schemes.



**Resources:** Past paper questions can be found on the following websites

Physics and Maths Tutor:  
[Physics & Maths Tutor \(physicsandmathstutor.com\)](http://physicsandmathstutor.com)

Full Past Papers AQA:  
[AQA | Find past papers and mark schemes](#)