

Science Faculty

Know your course

Combined science trilogy

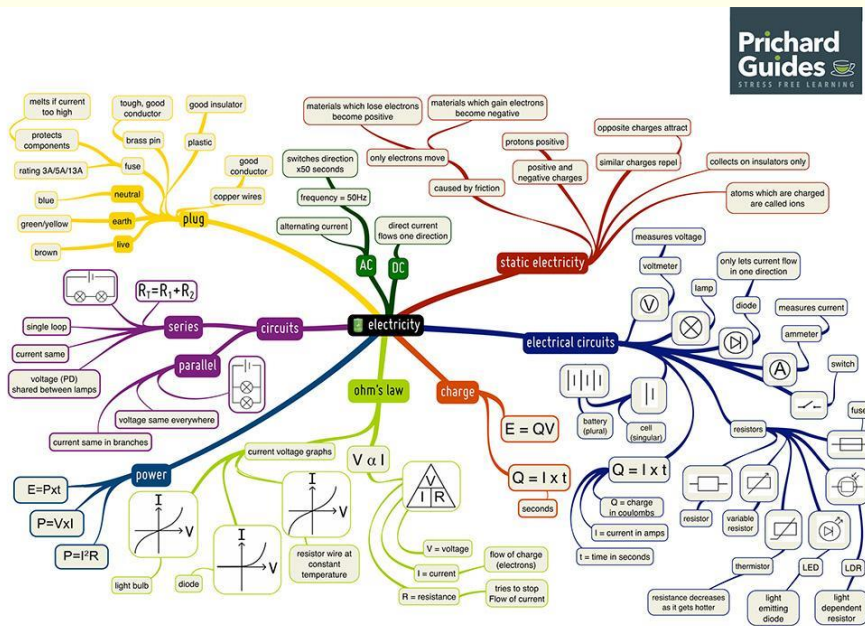
Often called “double science” or “double award”

Separate science

Often called “triple science”

How to effectively revise in Science

How to maximise your time to effectively revise in Science

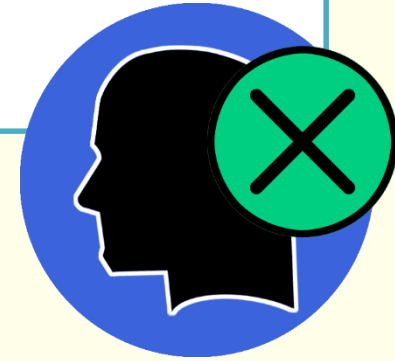


Prichard
Guides
STRESS FREE LEARNING

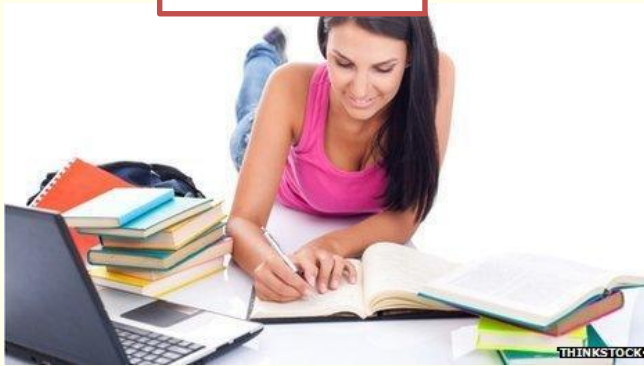
B1 – Cells and the Body (CAB)

Q1	What is a cell?	A1	Smallest unit of an organism (living thing)
Q2	What is a tissue?	A2	Group of similar cells working together to perform a function
Q3	What is an organ? Give an example	A3	Group of tissues working together to perform a function e.g. heart
Q4	What is an organ system? Give an example	A4	Group of organs working together to perform a function e.g. digestive system
Q5	What is the role of carbohydrates?	A5	(Used in respiration) To release energy
Q6	What is the role of proteins?	A6	Growth and repair of tissues
Q7	What is the role of fats?	A7	Energy storage and insulation
Q8	How do you test for starch?	A8	Add iodine solution Changes colour (from orange) to blue/black
Q9	How do you test for sugar?	A9	Add Benedict's reagent and HEAT Changes colour (from blue) to brick red
Q10	How do you test for protein?	A10	Add Biuret reagent Changes colour (from blue) to purple
Q11	How do you test for fat?	A11	Carry out emulsion test Changes colour (from clear) to white emulsion
Q12	What is the function of the digestive system?	A12	To break down food, so nutrients are small enough to be absorbed

Strategies – the good, the bad and the ugly!



Copying



Highlighting



Rereading



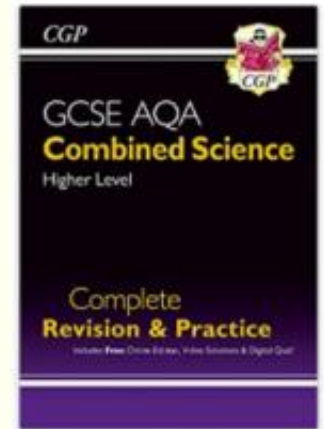
These strategies are not time effective and may even hinder learning

How to revise effectively (GCSE)

STEP 1 – UNDERSTAND

- Seneca
- GCSE Pod
- Revision guide
- Use your notes to make mind maps

Remember rereading alone is not effective. Test your understanding by answering questions / linking ideas on a mind map



STEP 2 – LEARN – Core questions/Flashcards
Practice by quizzing yourself.

Acle Science Faculty – GCSE Chemistry – C1 Atomic Structure

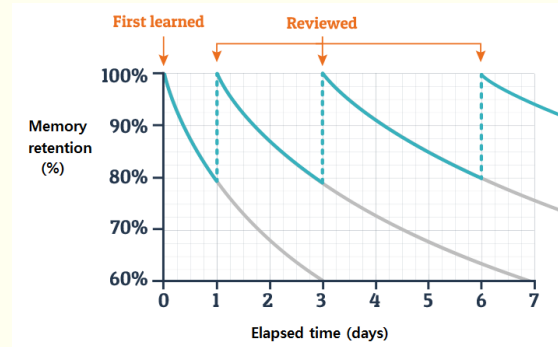
What is an atom?	The smallest part of an element that can still be recognised as that element
What is an element?	A substance made of only one type of atom
What is a compound?	A substance made of two or more different atoms chemically bonded together
What is a molecule?	A substance made of more than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

STEP 3 – APPLY – Practice questions
AQA past papers
Physics and maths tutor

Practice makes permanent!

How to use Core Questions

- The core questions include the main content that you need to learn in the unit.
- Fold the sheet in half to hide the answers. Quiz yourself on these until you get them correct.



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The key to successful revision is to:

1. Quiz yourself - throughout the unit (and beyond).
2. Revisit these again and again over time.

Practice makes permanent!

Location of Resources

Revision Zone

<https://drive.google.com/drive/folders/16C3ZSdMz3urTwD22GVOZiD>

The revision zone includes a variety of resources to support revision including:

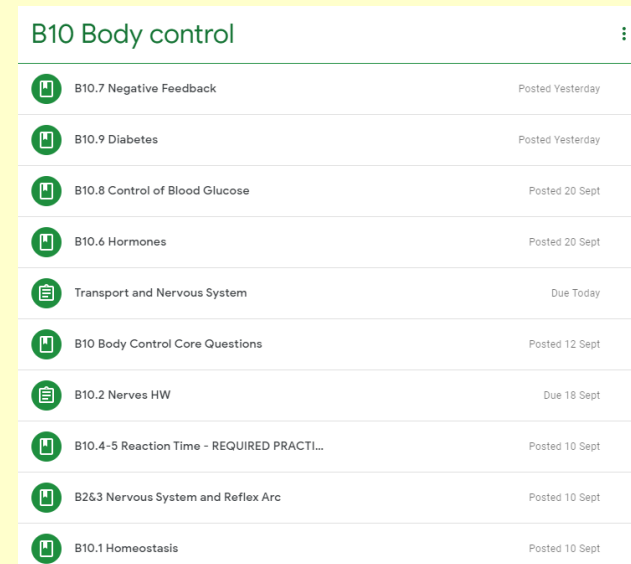
- Core Questions
- Revision Checklists
- Useful websites











Google Classroom

Each class has a google classroom which will enable students to access:

- Lesson resources
- Revision resources

Students will need to ensure that they catch up with any missed lessons throughout the year.



B10 Body control	
 B10.7 Negative Feedback	Posted Yesterday
 B10.9 Diabetes	Posted Yesterday
 B10.8 Control of Blood Glucose	Posted 20 Sept
 B10.6 Hormones	Posted 20 Sept
 Transport and Nervous System	Due Today
 B10 Body Control Core Questions	Posted 12 Sept
 B10.2 Nerves HW	Due 18 Sept
 B10.4-5 Reaction Time - REQUIRED PRACTI...	Posted 10 Sept
 B2&3 Nervous System and Reflex Arc	Posted 10 Sept
 B10.1 Homeostasis	Posted 10 Sept