

REVISION © PILTON YEARS 7,8 & 9

REVISION AT PILTON



Summarise



<u>Create a revision Timetable</u>



Organise your stationery and work area



Revision Clocks



Create Flash Cards



Creating a Mind Map



<u>Create revision Notes using the Cornell</u> Method



Dual coding: combine written text with diagrams, sketches or visual aids in your mind maps, clocks, notes and flash cards



Save your resources in folders by subjects



Revise



Re create your mind map or revision clock from memory: If stuck re-look at the mindmap or clock and redo in a different colour. Start with a small section then move to the whole thing



Retrieval Relay Race: Write as much as you can about a topic in box 1, read your notes for 5 mins, add further info on the topic in box 2. Repeat for box 3 and 4.



Have a friend or family member test you with your flash cards



Create a Question and answers sheet. Cover the answers and write out your answer again. Cover the question and rewrite the question from the answer



BLURT out all that you know on a topic in a set time – 10mins max. Then refer to your revision guide and add to them with a. different colour pen. Any areas in a different colour need revision guides and a mind map



Test Yourself

Completing practice questions is the best way to consolidate knowledge and identify your gaps

In some subjects (notably maths and science), getting practice in answering exam questions is essential for securing success



Speak to your teacher. They will be able to recommend (and even provide) good sample questions.



Don't attempt these questions without having revised the topic first. You will feel worried and this does not help.



Complete the questions under timed conditions. General rule is 1 mark = 1 minute. Do this for 15 minutes – 20 minutes



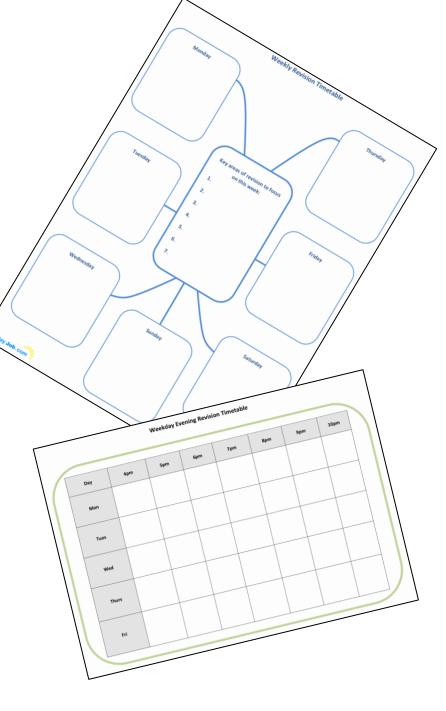
Those questions you have not answered well need to be revised in the remaining session time



After revising go back to the questions and redo in a different colour

CREATING A REVISION TIMETABLE

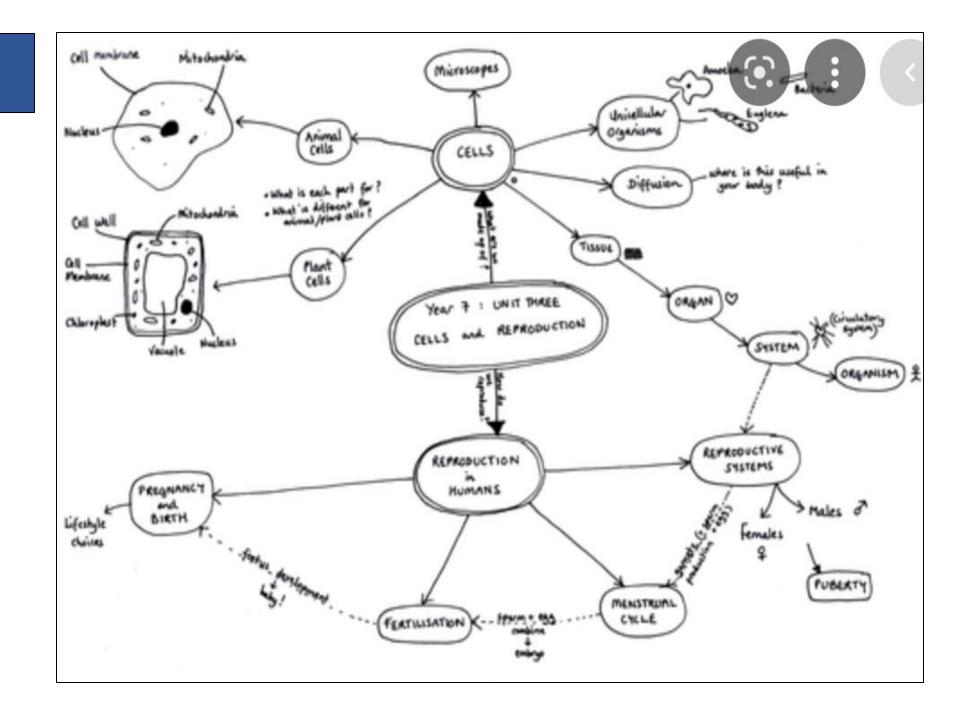
- Plan to do four 30 minute revision sessions per day.
- Download one of the templates from our website.
- Sessions should be separated by breaks.
- List your subjects from easiest to hardest.
- For each subject, list the topics you need to revise.
- Add one subject with a specific topic to each of the revision sessions slots.



SUMMARISE

- The actual process of condensing notes into bullet points and/or pictures helps you to remember more information as you have to think hard about how to reduce the information.
- Creating resources for active recall
- Spend 1/3 of your time only
- Use this time to create
 - Mind maps
 - Revision clocks
 - Flash cards
 - Cornell notes

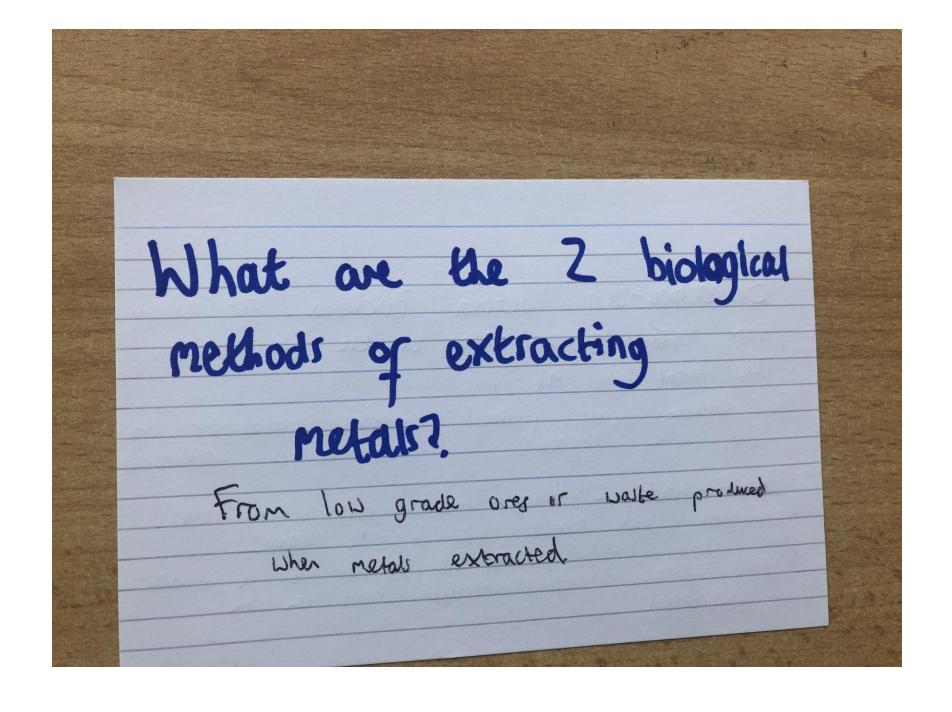
MIND MAPS



REVISION CLOCKS



FLASH CARDS



CORNELL **NOTES**

amount of counts the number of particles in a

- Define the amount of mutatonce.
- What is Avogadro's constant?



- What is 'motor mass'?
- State the equation involving amount of mubitance + main.
- Define molar gas volume
- State the equation involving motors gas volume at RTP
- What is, the molecular formula?
- What is the empirical formula
- What is water of orystallisation?
- What dues 'anhydrous' mean?

Substance substance: (n)

5 measured in moles (not)

the amount of any substance with the same amount of alons that are in 12g of corpson-12.

the mass per male of a (gmoi-) substance.

at the same temp + Pa, equal volumes of different gards contain the trans number of molecules

SMOLECULAR

- The number of atoms of each element in a molecule

Relative Molecular Mass (Mr.)

Geompares man of molecule to

Relative Formula Mass Gran of a formula unit compa to man of c-12 arom

avogadro's N

number of atoms per mole of carbon-12.

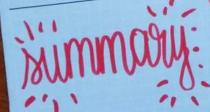
6.02 × 1023 particles

the volume per mole of gas molar GAS molecules at a stated tempt to

At RTP, the motor gas volume is 24.0 dimemolt

- The samplest whole no. ratio of atoms of each den't exist as element in a compound molecules

under = H₂0 molecules are part of crustalline of crustalline in crustalline of crustalline of crustalline e.g. Cusoq. SHeQ Structures = Cusoq. SHeQ different coloroes when to drive out to the custom. heat to drive off water.



- Amount of mubitance = No. of atoms in 12g C-12 (Mort)

 Avogadro's constant = 6.02 × 1023 postricles

 Molat mash = mash per more of a substance

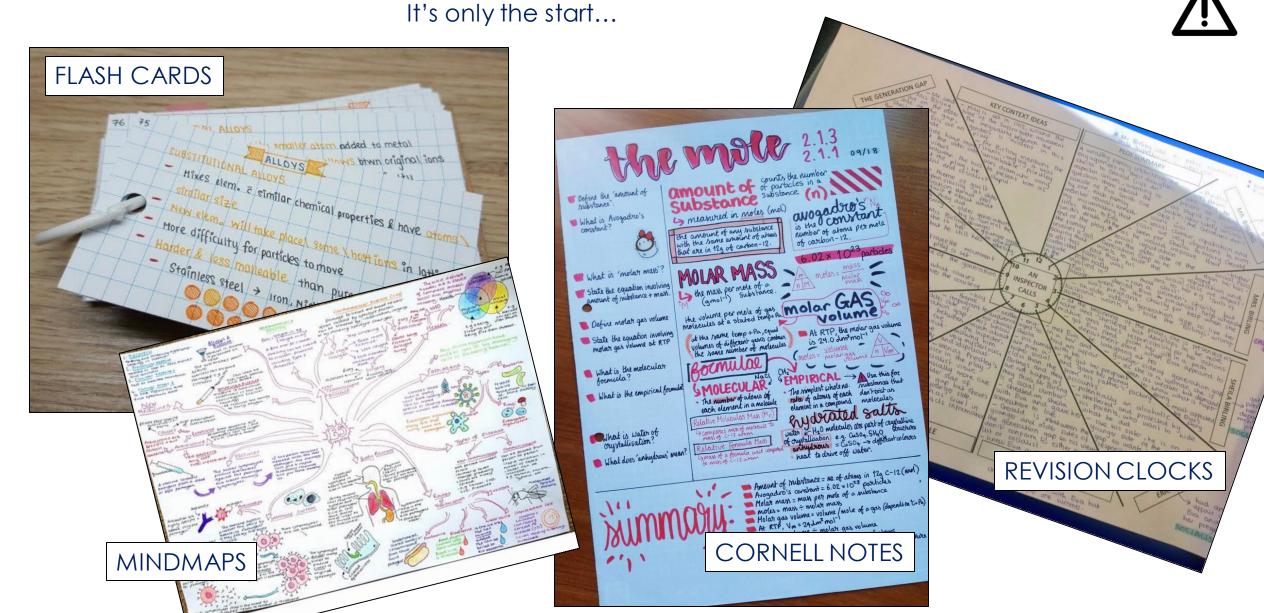
 notes = mash molet mashs
- Molar gas volume = volume /mole of a gas (depends on C+Pa)

 At RTP, Vm = 24dm2 mol

 moles = volume = molar gas volume
- Empirical -> ratio; malecular -> no. of atoms
 Water of oughtallisation: HzO malecules in salt's structure

SUMMARISE

Reducing revision guides, notes, textbooks etc down to manageable chunks should not be your whole revision focus. Creating resources will not commit the knowledge to memory.



REVISE (RECALL)

- Embeds knowledge into your long term memory.
- Retrieving information from memory through testing yourself at every stage not only strengthens our ability to retain information but also improves connections in our brains between different concepts.
- Active recall is more difficult and mentally more taxing than re-reading. But the key point is, revision should be cognitively demanding!





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Retrieval Relay Race: Write as much as you can about a topic in box 1, read your notes for five minutes, add further info on the topic in box 2. Repeat for box 3 and 4.



Have a friend or family member test you with your flash cards



Create a Question and Answer sheet. Cover the answers and write out your answer again. Cover the question and rewrite the question from the answer



BLURT out and write down all that you know on a topic in a set time (10 minutes max.), then refer to your revision guide and add anything you forgot in a different colour. Any areas in a different colour need revision guides and a mind map.

REVISE (RECALL)



Re-create your revision clock from memory: Take two colours of pen. Spend five minutes completing each segment of your clock from memory. Check your notes and take your second pen. Add in additional notes you missed first time around. Combine with dual coding ideas.

Retrieval Relay Race: Write as much as you can about a topic in box 1, read your notes for five minutes, add further info on the topic in box 2.

Repeat for boxes 3 and 4.

Question and Answers: Create a series of questions and answers.

Cover the answers and write out your answer again. Cover the question and rewrite the question from the answer

This is the process to embed the knowledge into your long term memory. This is a critical part of the revision process.

Re create your mind map from memory: You have 3 lives to recreate your mind map from memory. Each time your are stuck you can refer back to your mind map but you loose a life. After 3 lives you need to start the mindmap from the beginning. There is a video on the website modelling this technique.

BLURT out all that you know on a topic in a set time – 10mins max. Then refer to your revision guide and add to them with a different colour pen. Any areas in a different colour need further revision resources created.

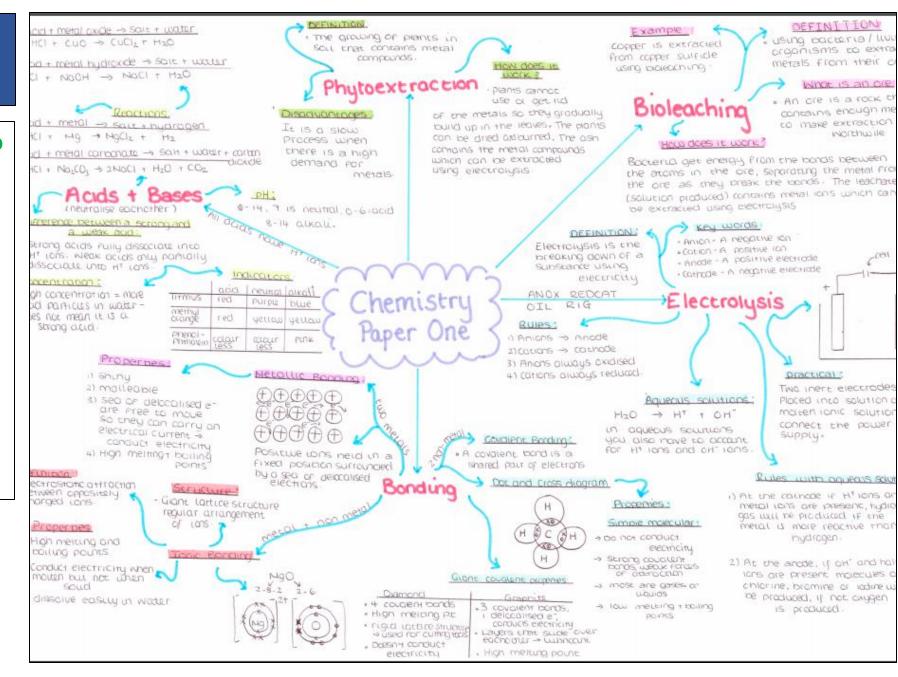
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MIND MAPS

Re create your mind map from memory:

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REVISION CLOCKS

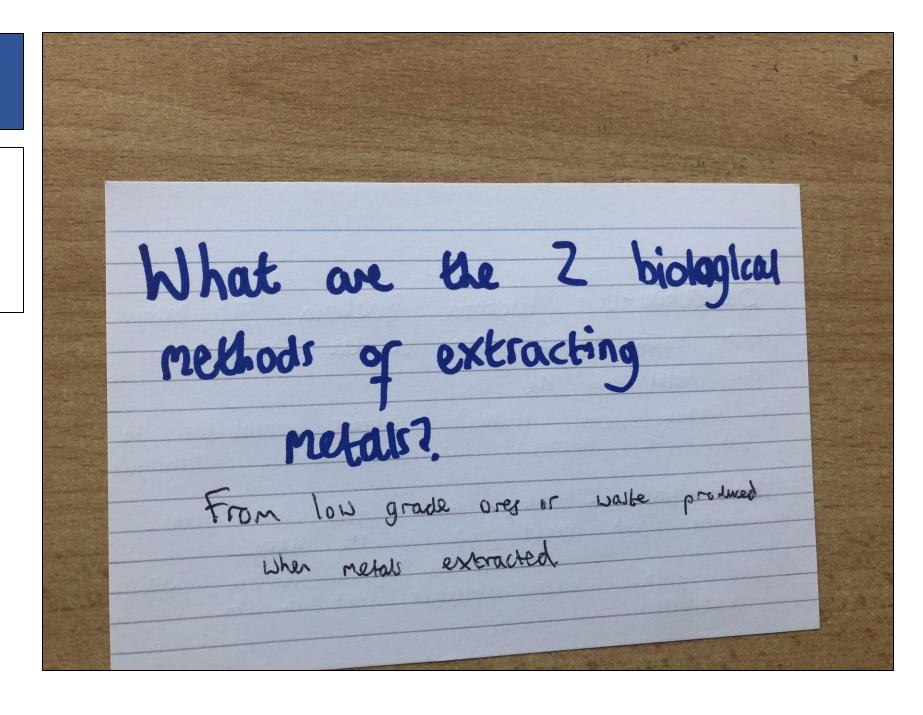
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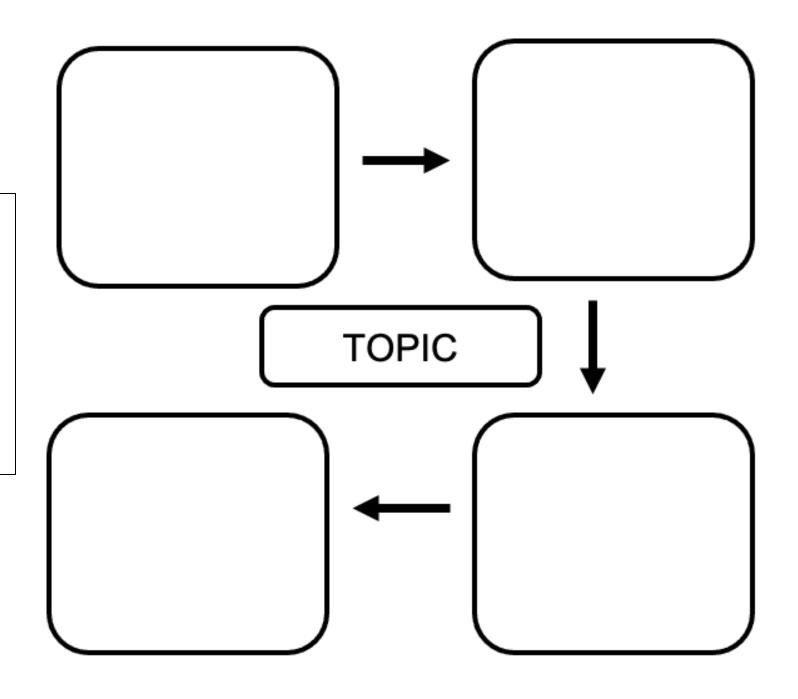
FLASH CARDS

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RETRIEVAL RELAY RACE

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QUESTIONS AND ANSWERS

TOPIC:	
Question	Answer

Questions and Answers:

Create a series of questions and answers. Cover the answers and write out your answer again. Cover the question and rewrite the question from the answer.

TEST YOURSELF YEARS 7, 8 & 9

- Reduce anxiety by demystifying the whole thing.
- It's the best preparation.
- Apply your knowledge.
- Work on your time management :
 - 1 mark = 1 minute
- ANALYSE do something with the information.
- Highlights the gaps in your knowledge: Revise, re-test etc.
- Teachers will provide questions in lessons, end of unit tests, past assessments, online SENECA, BITESIZE, school programmes, revision guides, text books



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