

# Revision Techniques

Here are some hints and tips

# Different ways to revise:

- Reading
- Making notes
- Checklists
- RAG rating
- Revision cards
- Mnemonics
- Association
- Record Information
- Example questions and answers
- Past paper questions
- 'Revise, test, analyse'
- Mind Map

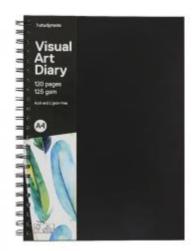
# What type of learner are you?

Visual learner	Auditory learner	Reader and writer	Active learner
<ul> <li>rewrite your notes as mind-maps</li> </ul>	<ul> <li>read your notes aloud</li> </ul>	<ul> <li>copy out your notes again</li> </ul>	<ul> <li>move around the room or carry out an activity as you</li> </ul>
<ul> <li>use colour to highlight important facts</li> </ul>	<ul> <li>record yourself reading key points aloud to listen back to</li> </ul>	<ul><li>read over old notes</li><li>rewrite key points</li></ul>	<ul><li>revise</li><li>mentally test yourself while you</li></ul>
<ul> <li>draw diagrams and sketches to help you</li> </ul>	<ul> <li>revise in groups</li> </ul>	using different phrases	are exercising to see what you can remember
remember points	<ul> <li>try singing the key points and associate them with a tune</li> </ul>	<ul> <li>try to write key points from memory, and test yourself</li> </ul>	

# Mind Map

- Start at the centre with the page with a circle or square ('central node') indicating the main topic.
- The main ideas that make up the topic should be represented by thick branches that emanate from the central node. Your branches should have one word or two for the purpose of clarity. Think of each branch as a heading in an essay or a book.
- Create smaller sub-branches which extend out from every branch.
   Think of these as sub-headings.
- At the end of each branch, write out one key word or concept. This
  will make it easier to remember key concepts during revision.
- Find images or pictures which illustrate your ideas and paste them onto key areas in your diagram.
- Try to find connections between the various branches and subbranches; this is a crucial aspect of critical thinking.
- Use colours and pictures ....

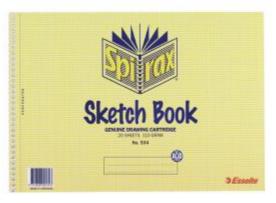




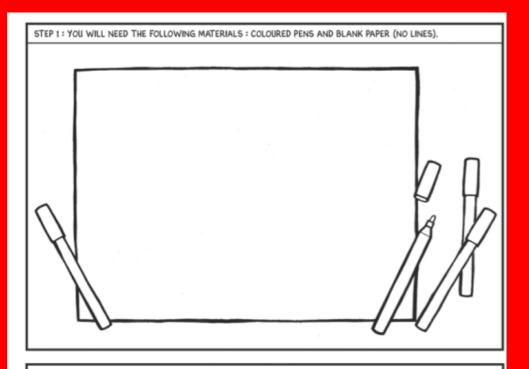


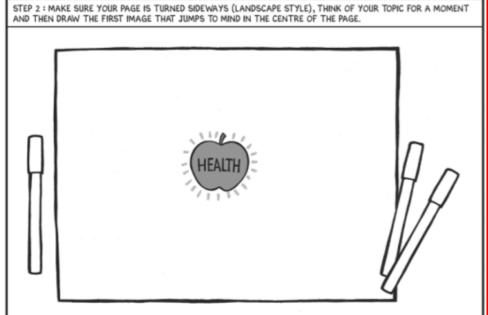


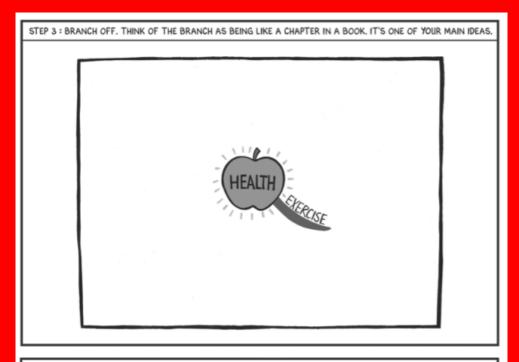




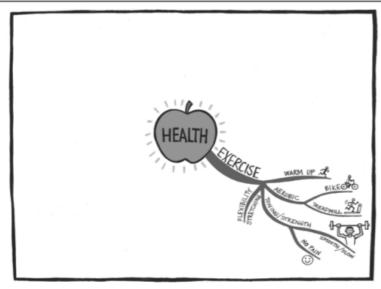
# Set yourself up ...



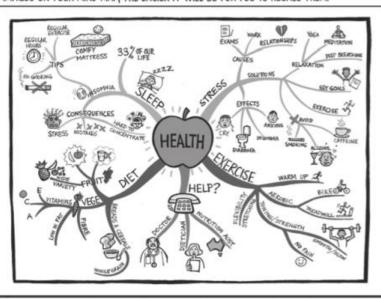




STEP 4: NEXT CREATE YOUR SUB-BRANCHES. THESE BRANCHES ARE LIKE THE SUB-HEADINGS WITHIN THE CHAPTER OF A BOOK. FROM THE ENDS OF THESE BRANCHES, YOU CAN CREATE MORE BRANCHES. (WHAT YOU ARE DOING IS CREATING ASSOCIATIONS BETWEEN DIFFERENT IDEAS).

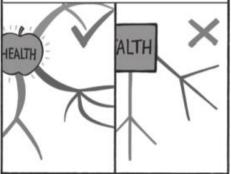


STEP 5 : DRAW PICTURES. IF I TOLD YOU "DON'T THINK ABOUT MONKEYS", WHAT WOULD COME TO MIND? THE PICTURE OF MONKEYS! MY POINT IS, WE THINK IN PICTURES, NOT IN WORDS. THE MORE EXAGGERATED YOU MAKE THE IMAGES ON YOUR MIND MAP, THE EASIER IT WILL BE FOR YOU TO RECALL THEM.

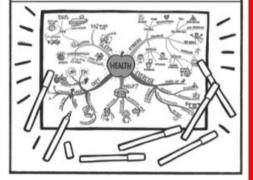




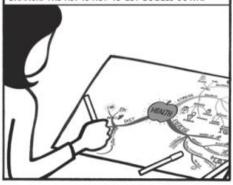
\* TIP : MAKE SURE YOUR BRANCHES ARE CURVED. THE HUMAN BRAIN RESPONDS BETTER TO CURVED LINES THAN STRAIGHT LINES.



THE BRAIN IS ALSO STIMULATED BY THE USE OF COLOUR, SO USE AS MANY DIFFERENT COLOURS AS POSSIBLE ON YOUR MIND MAP.



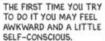
IF YOU GET BORED WITH WORKING ON A CERTAIN BRANCH, MOVE ON AND START CREATING ANOTHER BRANCH. THE KEY IS NOT TO GET BOGGED DOWN.



THE ACT OF CREATING A MIND MAP HELPS YOU UNDERSTAND THE SUBJECT AT A DEEP LEVEL. IT ALSO HELPS YOU TO ORGANISE AND CLARIFY YOUR THOUGHTS.

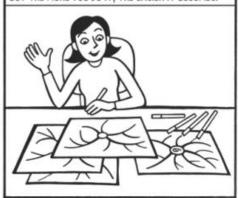


LEARNING TO MIND MAP IS LIKE LEARNING TO DRIVE





BUT THE MORE YOU DO IT, THE EASIER IT BECOMES.



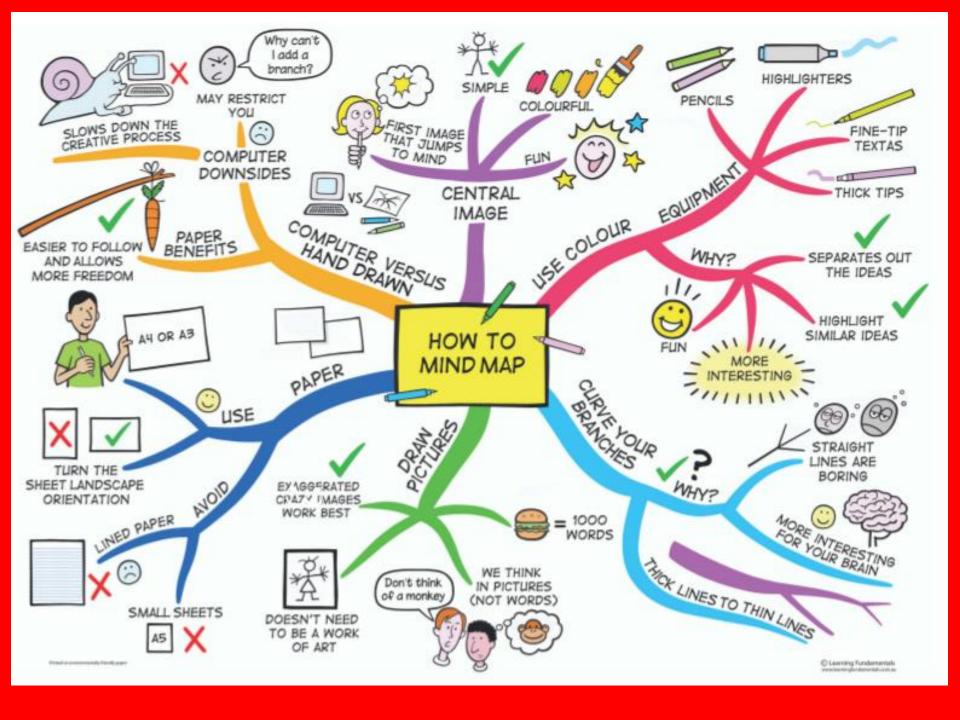
# Only mind map the 'good' stuff ...

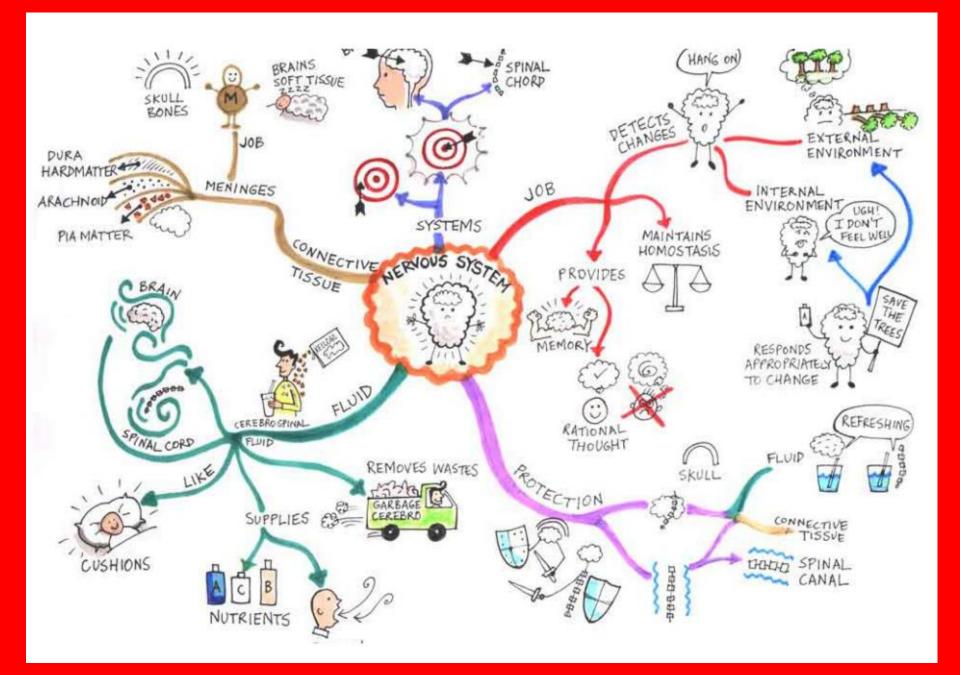
In my experience mind maps work best when you're trying to understand complex ideas. Some information you need to absorb will be straightforward and can be put straight onto a flashcard (you may not need to mind map it). Other information won't be so relevant.

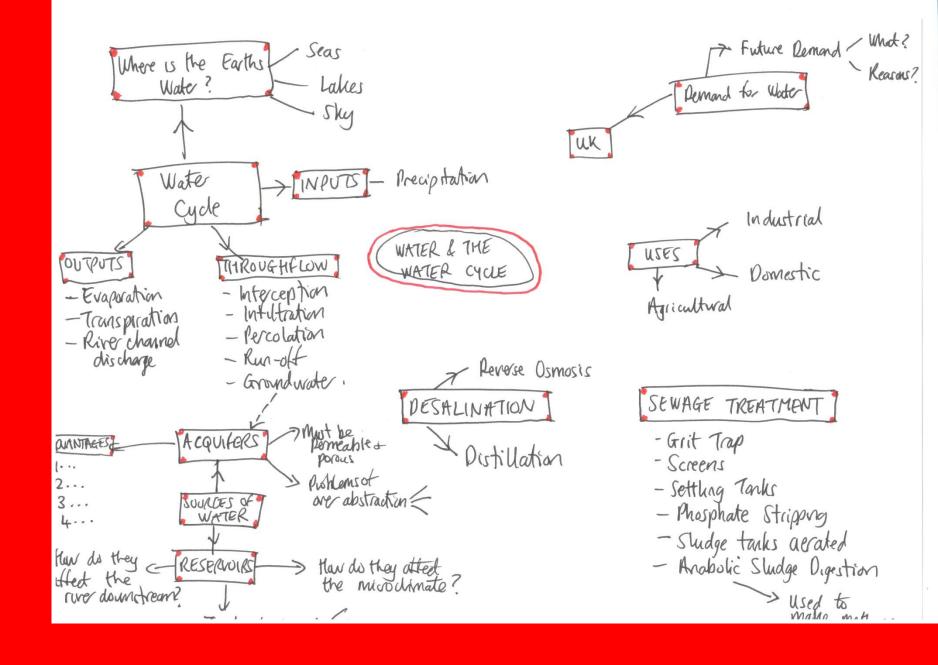
The bottom line is not everything needs to be mind mapped. As you read your book and mind map the infomation, ask yourself:

"Do I really need to know this?"

If the answer is no, then don't bother mind mapping it.

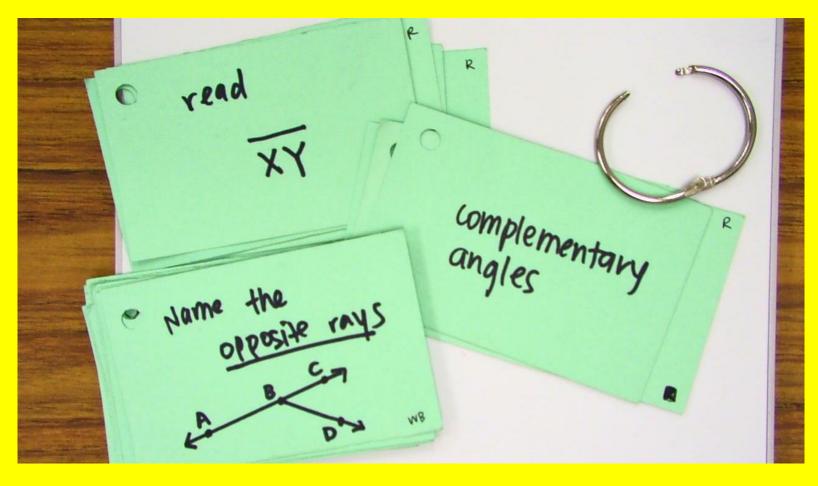






# Flash cards

Make them and then test yourself



# Do the Geographers know what this stands for?

- C
- C
- A
- S
- H

## **Mnemonics**

Can be a helpful way to memorise facts. The first letter is used to create a phrase or word that you can more easily remember.

For example, Richard Of York Gave Battle In Vain (colours of the rainbow in order: Red, Orange, Yellow, Green, Blue, Indigo, Violet).

# Association

Some students find it helpful to associate sounds or images with the information they are learning or to use notes / mind maps as a visual memory trigger.

# Record Information ...

.... That you need to remember and then you can play it back to yourself



# A3 sheet

Se	eparation Techniques Re	vision - Activate				
Explain in detail the differences between mixtures and compounds. – p72  What is a saturated solution? – p76	With the aid of a diagram, show how a substance dissolves into a liquid – p74	What does solubility mean? – p76  What things can affect solubility? –p77	Fxplain the process and the result of a chromatography test on a felt tip pen. – p82			
	tos					
Define these words: Solvent: Solute:	Using a diagram, show how filtration – p78	works. Describe what distillation	is and how it works p81			
Dissolve:						
Soluble: Filtrate:		Explain how people gets	alt from salt water p80			
Residue:			Credit: MarcMarshall			





### Year 10 C1 - Chemistry and our Earth Topic 4

### Extracting more reactive metals (electrolysis)

- Electrolysis involves passing on electric current through a metal compound
- This breaks it down into metal and non metal
- Aluminium is extracted in this way, Work? This uses large encents of energy, making these

elements.

metric expensive

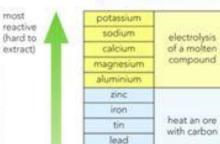
- matten aluminion i ovogen pos

### Reactivity of metals

found as the

uncombined

element



### How extraction works

- The one is crushed to remove rock with little
- 2. The metal oxide has the axygen removed
- 3. This is called a reduction reaction
- 4. Reduction is achieved by heating the metal oxide with corbon

### Gold

least

reactive

(easy to

extract)

This is the process of getting a metal from compound in a rack by a chemical reaction. he way in which a metal is extracted dependence of the metal of the metal is extracted dependence of the metal of

Jewellery made from pure gold is very soft. Gold jewellery is usually made from allays, in which gold is mixed with other metals.

copper

silver

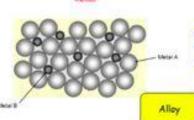
gold

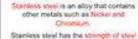
platinum

	-	Service.		(Appendicts)
-	100%	-04	-34	. 1000
7	91.7%	176	-31	( 衛性
	79%	20%	19	750
	50%	36%	U	300
	27.75	AFTE		876

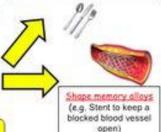
By mixing two or more metals together the regular privagement of the clams is disrupted.

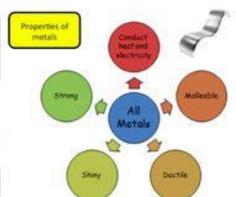
This prevents the atoms forming layers and makes it harder for the atoms to slide over each other. The alloy is stronger than the pure





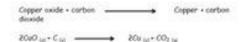
combined with the corrosion resistance of nickel and the shininess of chromium





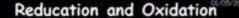
# Extraction of copper from copper exide

The copper oxide is REDUCED, which means it LOSES oxygen.



### An Oxidation Reaction





Some examples of reduction: Aluminium + iron oxide - helf - aluminium oxide + iron 2Alo + Fe2O300 - Most - Al2O300 + 2Fe00

> Lead oxide + carbon Heat + lead + carbon dioxide 2PbOlo + Coo - Nest + 2Pbio + COzoo

An example of axidation:

Magnesium + oxygen - magnesium oxide Mgoo + Ozoo heet - ZMgOo

# RAG rating

Computer Science  Note-taking planner																		
				•		Excellent	understandin	g		Fair und	erstanding	V	More revi	sion neede	d			
1																		
Computer systems	the purpose of the CPU	Von Neumann architecture and its registers	common CPU components and their function	the function of the CPU as fetch and execute instructions stored in	how common characteristics of CPUs affect their	performance	embedded systems: purpose and examples of embedded systems											
Memory	describe the difference between RAM and ROM	explain the need for ROM in a computer system	describe the purpose of RAM in a computer system	explain the need for virtual memory	describe flash memory													
Storage	he need for secondary storage	data capacity and calculation of data capacity requirements	Describe optical, magnetic and solid state storage	uitable storage devices and storage media for a given application	advantages and disadvantages of devices-	apacity, speed, portability, cost												