QUESTION	ANSWER

Quiz Cards: Atomic Structure & Periodic Table

How to use the quiz cards to learn the key facts

1) Take 6 quiz cards at a time and read through them

2) Cover up the answer side of the page.

Question	Answer

3) Take the first quiz card and ask yourself the question. Either write the answer down or say it out loud.

4) Check your answer using the answer side of the card.

5) Do this question again until you get it right.

6) Repeat the process for the second question.

7) Before going onto the third question repeat question one and two.

8) When you have gone through all of the questions try and do them in a random order to really test your knowledge.

ONCE YOU HAVE LEARNT THEM ALL ….

9) Complete some exam questions to apply your knowledge.

10) Check your answer with the mark scheme and correct any errors in green pen.

11) Repeat steps 9-10 until you get the answers correct all of the time.

QUESTION	ANSWER
Define the term - Element	A substance containing only one type of atom.
Define the term - Compound	Made from two or more elements, chemically combined in fixed proportions.
What is filtration?	A technique for separating an insoluble substance and a liquid.
What is chromatography?	A technique for separating a mixture of dissolved solutes. Eg. Dyes in ink
What is simple distillation?	A technique for separating a solvent from a solution.
What is fractional distillation?	A technique for separating a mixture of liquids which have different boiling points.

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Describe the plum pudding model of the atom.	The plum pudding model suggested that the atom was a ball of positive charge with negative electrons embedded in it.
Describe the arrangement of sub-atomic particles in an atom.	Atoms have a central nucleus containing protons and neutrons. The electrons orbit the nucleus in energy levels.
Explain how to calculate the number of each sub-atomic particle from an atomic number and mass number.	The atomic number is equal to the number of protons and the number of electrons. Subtract the atomic number from the mass number to give the number of neutrons.
What is a group of elements?	A vertical column of elements on the Periodic table.
Describe the properties of the group 0 elements.	They are unreactive and do not easily form molecules because their atoms have stable arrangements of electrons.
What is the name for the group 1 elements?	The alkali metals.

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