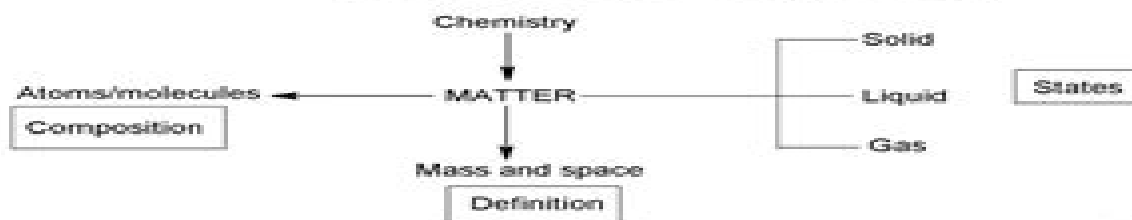


O level Chemistry Notes



Atoms: Building block of matter. It may or may not exist free in nature

Examples: H, He, Na, C



Nucleus: It is central part of an atom.

Shells: Circular paths around the nucleus where electrons reside. They are also called orbits or energy levels.

No. of es in a shell = $2n^2$

Where n = no of shell.

1st shell = 2es, 2nd shell = 8es, 3rd shell = 18es.

At least 8 electron should be present in last for the stability of an atom. However if an atom has one shell like Hydrogen and Helium then 2 electrons are required for complete shell and stability.

Atomic number:

Number of protons present in the nucleus of an atom of an element.

Examples: $_{11}\text{Na}$, $_6\text{C}$, $_8\text{O}$

Atomic mass or Mass number or nucleon number: It is the sum of protons and neutrons present in the nucleus of an atom of an element.

Examples: ^{23}Na , ^{12}C , ^{16}O

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Carolyn R. Thorp



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Practice Book Muriel James,2016-09-29 These resources have been created for the Cambridge IGCSE and O Level Additional Mathematics syllabuses 0606 4037 This Practice Book is for students following the Cambridge IGCSE and O Level Additional Mathematics 0606 4037 syllabuses and goes alongside the Cambridge coursebook for this syllabus It offers additional worked examples and exercises for all topics in the coursebook to help students practice and consolidate the mathematical skills required of the course **Radioactive Air Sampling Methods** Mark L. Maiello,Mark D.

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Polymer Chemistry David M. Teegarden,2004 This high school textbook introduces polymer science basics properties and uses It starts with a broad overview of synthetic and natural polymers and then covers synthesis and preparation processing methods and demonstrations and experiments The history of polymers is discussed alongside the s

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Protection Agency, U.S.,1992-02 This comprehensive technical guide to assessing and monitoring ground water contamination contains more than 165 charts tables and illustrations and highlights such issues as using models to manage ground water protection programs restoring ground water investigating ground water quality sampling ground water tracing contaminants in the subsurface and monitoring well design and construction **Journal of the Association of Official**

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