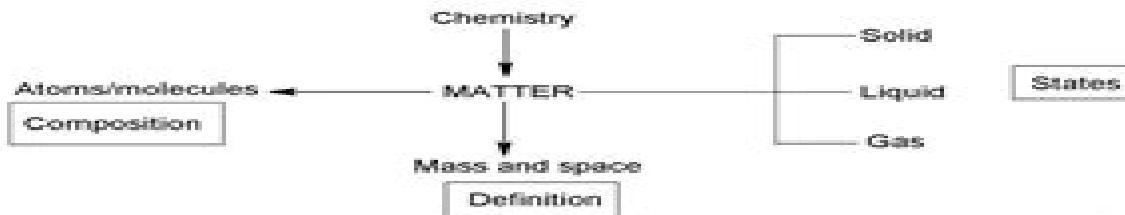


O level Chemistry Notes



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

Examples: H, He, Na, C

Shells = electrons



Nucleus = Protons + Neutrons

Mass = 0

Charge = +1 0

Charge = -1

Mass = 1 1

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: 11Na, 6C, 8O

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: ²³Na, ¹²C, ¹⁶O

O Level Chemistry Sample Chapter 1

Carolyn R. Thorp

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Know Your 'O' Level Chemistry - A Study Guide , Cambridge IGCSE® and O Level Additional Mathematics 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. Hoover, 2010-10-18 Although the field of radioactive air sampling has matured and evolved over decades it has lacked a single resource that assimilates technical and background information on its many facets Edited by experts and with contributions from top practitioners and researchers Radioactive Air Sampling Methods provides authoritative guidance

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

Handbook, Ground Water ,1990 **Examinations** John C. Mathews, 2021-11-29 First Published in 1985 Examinations presents a balanced overview and commentary on all the main aspects of public examinations The key themes are examinations and their context historical political social and educational functions of examination how they work equity and fairness of the process and future of public examinations Recurring issues in the book are the tension between the need for common national standards and the need for diverse individuality and the conflict between competitive functions of examinations as instruments of selection and their descriptive function as reports on standards of performance The author argues that the main aspects of examinations are not given a prominent place in the training of teachers though public examinations have widespread impact on society This book will be an essential read for scholars and researchers of education higher education and also for administrators and policy makers **Ground Water Handbook** Environmental 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 Analytical Chemists ,1986 **Report of the Annual Meeting of the South African Association for the Advancement of Science ,1971** **Educational Assessment of Students** Anthony J. Nitko, 1996 **Organic Chemistry** Francis A. Carey, 2000 A Market Leading Traditional Approach to Organic Chemistry Throughout all seven editions Organic Chemistry has been designed to meet the needs of the mainstream two semester undergraduate organic chemistry course This best

selling text gives students a solid understanding of organic chemistry by stressing how fundamental reaction mechanisms function and reactions occur. With the addition of handwritten solutions, new cutting edge molecular illustrations, updated spectroscopy coverage, seamless integration of molecular modeling exercises and state of the art multimedia tools, the 7th edition of **Organic Chemistry** clearly offers the most up to date approach to the study of organic chemistry. **DAT** Aftab S. Hassan, 1993

Management in Primary Education Anne T. O'Shea, J. Ron McCartney, 1984 **A Manual of Laboratory & Diagnostic Tests** Frances Talaska Fischbach, 2000 A guide to laboratory and diagnostic testing for health professionals in both academic and clinical settings that explains tests within particular test types such as urine testing and blood testing and includes proper pretest and posttest care of a patient. **Laboratory Practice**, 1991 **Remington's Practice of Pharmacy** Joseph Price Remington, 1951 **Microscale Organic Laboratory** Dana W. Mayo, Ronald M. Pike, David C. Forbes, 2023-02-14

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Hunter-gatherers and Farmers Carolyn R. Thorp, 2000 This study looks in general at the interaction between hunter gatherers and agriculturalists across a perceived frontier and more specifically at the southwards movement of Bantu speaking agriculturalists and their relationship with hunter gatherers south and west of the Caldeon Valley from the 16th to 19th century AD. **Canadian Chemical Processing**, 1951 **The Directory of Graduate Studies**, 1999

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