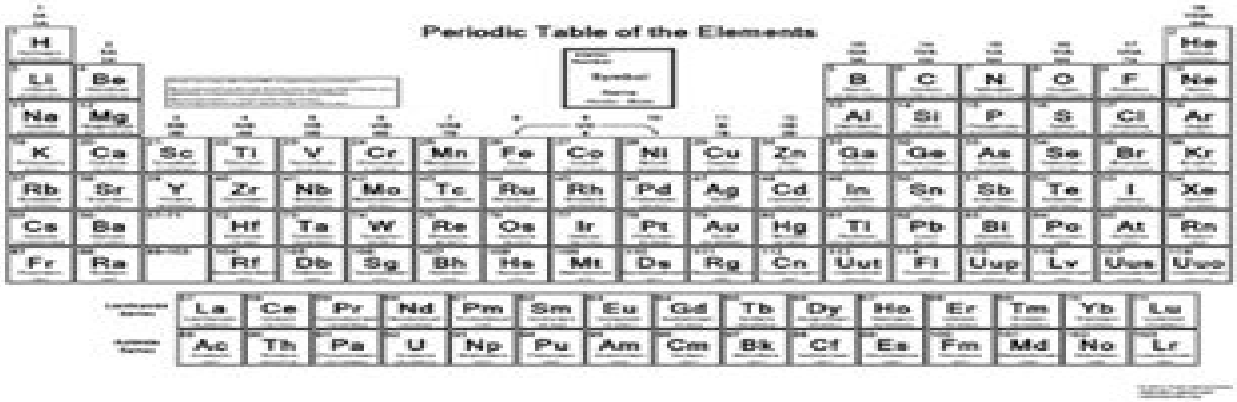
Chemistry Study Guide



🔬 Objective:

To understand the *structure of an atom*, and the *nature + properties* of subatomic particles 🧑‍🔬✨.

💡 Matter:

Anything that has **mass** and **occupies space** 🏋️🌍

Examples: air, gases, liquids, solidz!

⚛️ Atoms:

Atoms are the **smallest, indivisible particle** 🔬✂️.

- **Outer part** → *shell/orbit/energy level* → carries the electronz (e−)
- **Inner part** → *nucleus* → houses the protons (p+) and neutronz (n)
- Outer & Inner part → together these are the **subatomic particles**

🧪 Subatomic Particle Table:

Particle	Symbol	Mass (amu)	Charge	Location
Proton	p^+	1	+1	Nucleus
Neutron	n	1	0	Nucleus
Electron	e^-	~0	-1	Orbit/Shell

Vcaa Chemistry Study Guide

Margaret Swale,Libby Kempton

Vcaa Chemistry Study Guide:

Jacaranda Chemistry 1 VCE Units 1 and 2, learnON and Print Neale Taylor,Angela Stubbs,Robert Stokes,2022-11-30 Developed by expert Victorian teachers for VCE students The NEW Jacaranda Chemistry VCE series continues to deliver curriculum aligned material that caters to students of all abilities Our expert author team of practising teachers and assessors ensures 100% coverage of the new VCE Chemistry Study Design 2023 2027 *Fortify VCE Chemistry Units 3 and 4 2017-2021 Study Guide* Joseph Rowan,Sophie Zhou,Emma Zheng,2020-07 **VCE Chemistry; Study Guide to Unit 1** ,1995 *A+ Chem Notes VCE Unit 3* Jennifer Willis,2012 The third edition of Chem Notes VCE Unit 3 has been written to precisely match the VCE Chemistry Study Design to be implemented in 2013 This edition includes a data book and is 100% up to date Chem Notes VCE Unit 3 includes a Comprehensive summary notes on chemical analysis and organic chemical pathways a Practice exam questions a Solutions a Data sheets a Examination advice a Glossary of terms a Revision checklists Chem Notes 3 has been designed to be the most comprehensive and easy to use study guide for students of VCE Chemistry Unit 3 **VCE Chemistry Study Guide to Unit 2** ,1992 *Jacaranda Chemistry 2 VCE Units 3 and 4, 3e learnON and Print* Robert Stokes,Angela Stubbs,Neale Taylor,Jason Bourke,Ben Williams,Maida Derbogosian,2023-12-26 Developed by expert Victorian teachers for VCE students The NEW Jacaranda Chemistry VCE series continues to deliver curriculum aligned material that caters to students of all abilities Our expert author team of practising teachers and assessors ensures 100% coverage of the new VCE Chemistry Study Design 2023 2027 **Revise in a Month VCE Physical Education** Mark Corrie,Sharon Teesdale,2004 **VCE Chemistry Study Guide to Unit 3. Chemistry and the Market Place** ,1995

Multimodal Literacy in School Science Len Unsworth,Russell Tytler,Lisl Fenwick,Sally Humphrey,Paul Chandler,Michele Herrington,Lam Pham,2022-02-25 This book establishes a new theoretical and practical framework for multimodal disciplinary literacy MDL fused with the subject specific science pedagogies of senior high school biology chemistry and physics It builds a compatible alignment of multiple representation and representation construction approaches to science pedagogy with the social semiotic systemic functional linguistic based approaches to explicit teaching of disciplinary literacy The early part of the book explicates the transdisciplinary negotiated theoretical underpinning of the MDL framework followed by the research informed repertoire of learning experiences that are then articulated into a comprehensive framework of options for the planning of classroom work Practical adoption and adaptation of the framework in biology chemistry and physics classrooms are detailed in separate chapters The latter chapters indicate the impact of the collaborative research on teachers professional learning and students multimodal disciplinary literacy engagement concluding with proposals for accommodating emerging developments in MDL in an ever changing digital communication world The MDL framework is designed to enable teachers to develop all students disciplinary literacy competencies This book will be of interest to researchers teacher educators and postgraduate students in the field of science education It will

also have appeal to those in literacy education and social semiotics The Open Access version of this book available at www taylorfrancis com has been made available under a Creative Commons Attribution Non Commercial No Derivatives 4 0 license Valuing Assessment in Science Education: Pedagogy, Curriculum, Policy Deborah Corrigan,Richard Gunstone,Alister Jones,2013-06-05 Assessment is a fundamental issue in research in science education in curriculum development and implementation in science education as well as in science teaching and learning This book takes a broad and deep view of research involving assessment in science education across contexts and cultures from whole countries to individual classrooms and across forms and purposes from assessment in the service of student learning to policy implications of system wide assessment It examines the relationships between assessment measurement and evaluation explores assessment philosophies and practices in relation to curriculum and scientific literacy learning and details the relationships between assessment and science education policy The third in a series Valuing Assessment in Science Education has chapters from a range of international scholars from across the globe and staff from Monash University King s College London and University of Waikato The two previousbooks in the series examined research relevant to the re emergence of values in science education and teaching across the spectrum of science education as well as across cultural contexts through the professional knowledge of science teaching This third book now moves to examine different aspects of generating understanding about what science is learnt how it is learnt and how it is valued Valuing Assessment in Science Education will appeal to all those with some engagement with and or use of research in science education including research students academics curriculum development agencies assessment authorities and policy makers It will also be of interest to all classroom science teachers who seek to keep abreast of the latest research and development and thinking in their area of professional concern **Jacaranda Maths Quest 12 Specialist Mathematics VCE Units 3 and 4 2e learnON and Print** Raymond Rozen,2022-11-30 **Jacaranda Maths Quest 11 General Mathematics VCE Units 1 and 2 3e learnON and Print** Steven Morris,Michael Sheedy,James Smart,Caitlin Mahony,Brandon Chuah,2022-12-27 **Jacaranda Maths Quest 12 Mathematical Methods VCE Units 3 and 4 3e learnON and Print** Margaret Swale,Libby Kempton,2022-11-21 Jacaranda Maths Quest 12 Mathematical Methods VCE Units 3 and 4 Everything your students need to succeed The best Mathematics series for the new VCE Study Design Developed by expert Victorian teachers for VCE students Get exam ready past VCAA exam questions all since 2013 Students can start preparing from lesson one with past VCAA exam questions embedded in every lesson Practice customisable SACs available for all Units to build student competence and confidence Learn online with Australia s most powerful learning platform learnON Be confident your students can get unstuck and progress in class or at home For every question online they receive immediate feedback and fully worked solutions Teacher led videos to learn and re learn Instant reports make tracking progress simple Combine units flexibly with the Jacaranda Supercourse An Australian first build the course you ve always wanted with the Jacaranda Supercourse You can combine all

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