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Chemistry in Context for Cambridge International AS & A Level Graham Hill 2017-03-09 The ever-popular Chemistry In Context resource has been updated by the experienced author team to provide chemistry students with a comprehensive and dependable textbook for their studies, regardless of syllabus. Mapped to the latest Cambridge AS & A Level Chemistry syllabus (9701), this text supports students with its stretching, problem-solving approach. It helps foster long-term performance in chemistry, as well as building students' confidence for their upcoming examinations. The practical approach helps to make chemistry meaningful and contextual, building foundations for further education.

Chemistry Resources in the Electronic Age Judith Bazler 2003 This book lists and reviews the most useful Web sites that provide information on key topics in chemistry.

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Chemistry 2015-03-16 Chemistry for grades 9 to 12 is designed to aid in the review and practice of chemistry topics. Chemistry covers topics such as metrics and measurements, matter, atomic structure, bonds, compounds, chemical equations, molarity, and acids and bases. The book includes realistic diagrams and engaging activities to support practice in all areas of chemistry. The 100+ Series science books span grades 5 to 12. The activities in each book reinforce essential science skill practice in the areas of life science, physical science, and earth science. The books include engaging, grade-appropriate activities and clear thumbnail answer keys. Each book has 128 pages and 100 pages (or more) of reproducible content to help students review

and reinforce essential skills in individual science topics. The series will be aligned to current science standards. Foye's Principles of Medicinal Chemistry Thomas L. Lemke 2012-01-24 Acclaimed by students and instructors alike, Foye's Principles of Medicinal Chemistry is now in its Seventh Edition, featuring updated chapters plus new material that meets the needs of today's medicinal chemistry courses. This latest edition offers an unparalleled presentation of drug discovery and pharmacodynamic agents, integrating principles of medicinal chemistry with pharmacology, pharmacokinetics, and clinical pharmacy. All the chapters have been written by an international team of respected researchers and academicians. Careful editing ensures thoroughness, a consistent style and format, and easy navigation throughout the text.

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Salters Higher Chemistry Gwen Pilling 1999 This work is the accompanying teacher's book to the student book and gives the answers to all the questions in the student book together with details of how the student book delivers all the content statements in Higher chemistry.

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Chemical Misconceptions Keith Taber 2002 Chemistry is a conceptual subject and, in order to explain many of the concepts, teachers use models to describe the microscopic world and relate it to the macroscopic properties of matter. This can lead to problems, as a student's every-day experiences of the world and use of language can contradict the ideas put forward in chemical science. These titles have been designed to help tackle this issue of misconceptions. Part 1 deals with the theory, by including information on some of the key alternative conceptions that have been uncovered by research; ideas about a variety of teaching approaches that may prevent students acquiring some common alternative conceptions; and general ideas for assisting students with the development of appropriate scientific conceptions. Part 2 provides strategies for dealing with some of the misconceptions that students have, by including ready to use classroom resources including copies of probes that can be used to identify ideas held by students; some specific exercises aimed at challenging some of the alternative ideas; and classroom activities that will help students to construct the chemical concepts required by the curriculum. Used together, these two books will provide a good theoretical underpinning of the fundamentals of chemistry. Trialled in schools throughout the UK, they are suitable for teaching ages 11-18.

Geochemistry at the Earth's Surface Andreas Bauer 2014-08-27 Geochemistry at the surface of the earth is dominated by two somewhat antagonistic forces: chemical reactions which attempt to attain a steady state (equilibrium) and geological movement of materials in time and space which changes the parameters that control chemical equilibrium. Another aspect that is extremely important to earth surface geochemistry is the effect of plants on the chemical and physical stability of materials (soils). Plant systems in fact work against the normal chemical changes (loss of silica, potassium, etc.) and the normal physical changes (stabilizing fine grained materials (clays) in the surface zones to avoid erosion). Biological effects are clearly seen in redox effects in the various parts of the earth surface movement cycle; soil formation, stream transport, sedimentation. This book attempts to outline these different parameters and their interactions as they affect earth surface geochemistry in order to give a better understanding of movement and accumulation of elements at the surface of the earth.

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Macmillan Encyclopedia of Chemistry J. J. Lagowski 1997 Comprehensive and up-to-date, this unique four-volume set offers readers a complete overview of the broad spectrum of general chemistry. It enables them to obtain a basic, yet thorough understanding of matter, the processes it undergoes, the principles that govern it, and the international cast of men and women who have been critical in the development of the science of

chemistry. From elements, atoms, and molecules to thermochemistry, spectroscopy, and chemical bonding, its clear and concise explanations provide an illuminating and readily comprehensible introduction. Key presentations include forty element definition articles, each providing basic periodic table information and general information on the element in question. Ninety-five biographical articles deal with prominent chemists, while other articles provide additional historical context, particularly with respect to eighteenth-, nineteenth-, and twentieth-century developments.