

PiXL KnowIT!

GCSE Chemistry

AQA Topic – Chemical Analysis

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Overview Chemical Analysis

Purity, formulations and chromatography

- Pure substances
- Formulations
- Chromatography

Identification of common gases

- Test for hydrogen
- Test for oxygen
- Test for carbon dioxide
- Test for chlorine

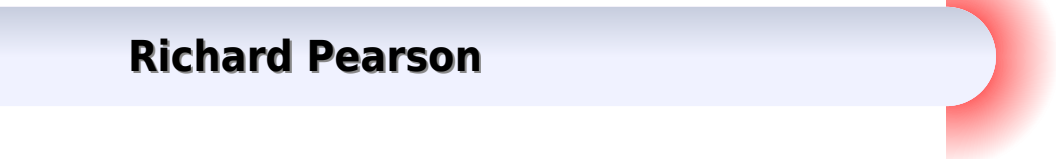
Identification of ions by chemical and spectroscopic means (Chemistry only)

- Flame tests
- Metal hydroxides
- Carbonates
- Halides



Pixl Chemistry Release 2014

Richard Pearson



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The Chemistry of Mars Inamuddin,2025-08-01 The Chemistry of Mars focuses on the chemical exploration of Mars with diverse viewpoints on the future of Mars research in terms of terrestrial missions The holistic view of Mars s chemistry is elucidated through a full scale picture of current knowledge and future intentions and explorations including a review of temperature surface pressure wind dust cover water ice and CO₂ surface ice This book provides a dedicated resource for space and planetary scientists astrochemists and chemists looking beyond Earth applications including students academics and professionals Provides a complete overview of the chemistry of Mars including surface atmosphere and compositional elements Covers a broad range of topics including Mars s temperature surface pressure wind dust cover water ice and CO₂ surface ice Explores the topic with a future focused approach that covers current debate and discussion topics

Contemporary Planetary Robotics Yang Gao,2016-09-13 For readers from both academia and industry wishing to pursue their studies and or careers in planetary robotics this book represents a one stop tour of the history evolution key systems and technologies of this emerging field The book provides a comprehensive introduction to the key techniques and technologies that help to achieve autonomous space systems for cost effective high performing planetary robotic missions Main topics covered include robotic vision surface navigation manipulation mission operations and autonomy being explained in both theoretical principles and practical use cases The book recognizes the importance of system design hence discusses practices and tools that help take mission concepts to baseline design solutions making it a practical piece of scientific reference suited to a variety of practitioners in planetary robotics

Guide to The Planets Richard Pearson,2019-01-21 The night sky is a wonder from the fixed and almost changeless stars to the brief appearances of comets it offers a universe of fascinating objects to view With little more than a pair of binoculars or a small telescope millions of light years of space are available to all Guide to the Planets has been written by Richard Pearson with amateur astronomers in mind This book will guide you through space and introduce you to the pleasures of amateur astronomy

Low Temperature Materials and Mechanisms Yoseph Bar-Cohen,2016-08-19 This book addresses the growing interest in low temperature technologies Since the subject of low temperature materials and mechanisms is multidisciplinary the chapters reflect the broadest possible perspective of the field Leading experts in the specific subject area address the various related science and engineering chemistry material science electrical engineering mechanical engineering metallurgy and physics

Reviews in astronomy and space sciences Christopher H. K. Chen,Alberto Fairén,Jonathan Eastwood,Olga V. Khabarova,Georgios Balasis,Rudolf A. Treumann,Philip J. Erickson,Nuno C. Santos,Steve B. Howell,Matthew Parry,Daniel Hestroffer,Yanxia Zhang,Majdi Hochlaf,Ankan Das,Ryan C. Fortenberry,David Leisawitz,Lucia Kleint,Mauro D'Onofrio,Milan S. Dimitrijevic,Joseph M. Trigo-Rodriguez,Carrie Anderson,Zhonghua Yao,Chunshan Lin,Nadja S. Magalhaes,Guillem Domenech,2024-05-24

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