

## Edexcel iGCSE Chemistry 4CH0 Learning Plan

| <b>Section A2: Atomic structure</b>  |  |   |
|--|--|---|
| <b>Specification</b>   | <b>Resources</b>   | <b>Assessment</b>   |
| <p>1.8 recall that atoms consist of a central nucleus, composed of protons and neutrons, surrounded by electrons, orbiting in shells</p> <p>1.9 recall the relative mass and relative charge of a proton, neutron and electron</p> <p>1.10 understand the terms atomic number, mass number, isotopes and relative atomic mass (<math>A_r</math>)</p> <p>1.11 calculate the relative atomic mass of an element from the relative abundances of its isotopes</p> <p>1.12 understand that the Periodic Table is an arrangement of elements in order of atomic number</p> <p>1.13 deduce the electronic configurations of the first 20 elements from their positions in the Periodic Table</p> <p>1.14 deduce the number of outer electrons in a main group element from its position in the Periodic Table.</p> | <p><a href="#">Video: Section 1 – Lesson 1 – States of Matter and Atomic Structure (from 18:55 to the end).</a></p> <p><a href="#">Powerpoint: Chemistry - Section 1 – Lesson 1 (slide 55 to end)</a></p> <p>Textbook:<br/>           Page 6 – Chapter 2: Atomic Structure<br/>           Page 7 – The structure of the atom<br/>           Page 7 – Atomic number and mass number<br/>           Page 8 – The electrons; to Page 11</p> <p>Page 12 – Chapter check list</p> | <p>Textbook<br/>           Page 12 – end of chapter questions.</p> <p><a href="#">Talking paper – Edexcel Chemistry Section A2 Atomic structure.</a></p> <p>Section A2 Question – Atomic structure. (pdf)</p> <p>Section A2 Question – mark scheme. (pdf)</p> |

Videos – [www.igcse-sciencecourses.com](http://www.igcse-sciencecourses.com)

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**Jiyuan Zhang**



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## **Table of Contents Gcse Chemistry 2012 Jac 1c**

1. Understanding the eBook Gcse Chemistry 2012 Jac 1c
  - The Rise of Digital Reading Gcse Chemistry 2012 Jac 1c
  - Advantages of eBooks Over Traditional Books
2. Identifying Gcse Chemistry 2012 Jac 1c
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Gcse Chemistry 2012 Jac 1c
  - User-Friendly Interface
4. Exploring eBook Recommendations from Gcse Chemistry 2012 Jac 1c
  - Personalized Recommendations
  - Gcse Chemistry 2012 Jac 1c User Reviews and Ratings
  - Gcse Chemistry 2012 Jac 1c and Bestseller Lists
5. Accessing Gcse Chemistry 2012 Jac 1c Free and Paid eBooks
  - Gcse Chemistry 2012 Jac 1c Public Domain eBooks
  - Gcse Chemistry 2012 Jac 1c eBook Subscription Services
  - Gcse Chemistry 2012 Jac 1c Budget-Friendly Options
6. Navigating Gcse Chemistry 2012 Jac 1c eBook Formats

- ePub, PDF, MOBI, and More
  - Gcse Chemistry 2012 Jac 1c Compatibility with Devices
  - Gcse Chemistry 2012 Jac 1c Enhanced eBook Features
7. Enhancing Your Reading Experience
    - Adjustable Fonts and Text Sizes of Gcse Chemistry 2012 Jac 1c
    - Highlighting and Note-Taking Gcse Chemistry 2012 Jac 1c
    - Interactive Elements Gcse Chemistry 2012 Jac 1c
  8. Staying Engaged with Gcse Chemistry 2012 Jac 1c
    - Joining Online Reading Communities
    - Participating in Virtual Book Clubs
    - Following Authors and Publishers Gcse Chemistry 2012 Jac 1c
  9. Balancing eBooks and Physical Books Gcse Chemistry 2012 Jac 1c
    - Benefits of a Digital Library
    - Creating a Diverse Reading Collection Gcse Chemistry 2012 Jac 1c
  10. Overcoming Reading Challenges
    - Dealing with Digital Eye Strain
    - Minimizing Distractions
    - Managing Screen Time
  11. Cultivating a Reading Routine Gcse Chemistry 2012 Jac 1c
    - Setting Reading Goals Gcse Chemistry 2012 Jac 1c
    - Carving Out Dedicated Reading Time
  12. Sourcing Reliable Information of Gcse Chemistry 2012 Jac 1c
    - Fact-Checking eBook Content of Gcse Chemistry 2012 Jac 1c
    - Distinguishing Credible Sources
  13. Promoting Lifelong Learning
    - Utilizing eBooks for Skill Development
    - Exploring Educational eBooks
  14. Embracing eBook Trends
    - Integration of Multimedia Elements
    - Interactive and Gamified eBooks

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