



Content



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Additional Resources



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Chemistry

Edexcel

Getting Ready for KS4 (GCSE)

Getting Ready for KS4 (GCSE) Chemistry

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Symbol Keys



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Additional Resources

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 The Atmosphere: Past and Present
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 Scientific Method
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 Chemical Reactions

CHEM-2047			
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SCI-MAT-001			
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1/Key concepts in chemistry

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History of the Periodic Table
 The Periodic Table
 Elements in the Periodic Table

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Discovery of the Structure of the Atom
 Atomic Structure
 Subatomic Particles
 Electronic Structure
 Isotopes and Relative Atomic Mass

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Calculations involving masses

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CHEM-2013			
CHEM-2073			
CHEM-2151			
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CHEM-2072			
CHEM-2074			

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Atoms and Formula
 Covalent Bonding




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CHEM-2063			

Ionic bonding




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Ionic bonding

CHEM-2060   

Formula of Ionic Compounds



CHEM-2061   

Types of substance

Ionic Compounds

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Allotropes of Carbon

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Simple & Giant Covalent Substances

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Properties of metals

CHEM-2158   




2/States of matter and mixtures

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CHEM-2089   




Chromatography

CHEM-2086   

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CHEM-2146   

Purifying Water

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States of matter




States of matter

CHEM-2150   




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Titration: Practical Procedure

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Uses Of Electrolysis
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4/Extracting metals and equilibria




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Reversible reactions and equilibria













Reversible Reactions & Equilibria

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5/Separate chemistry 1









Transition metals, alloys and corrosion

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 The Transition Metals in the Periodic Table
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 Alloys

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Quantitative analysis

Titration Calculations Using Moles
 Titration Calculations Using Relative Formula Mass
 Titration: Practical Procedure
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Choosing the Reaction Conditions
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Fuel Cells

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6/Groups in the periodic table

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Group 1: Alkali Metals



CHEM-2001  

Reactivity in Group 1



CHEM-2002  

Group 7

Group 7: The Halogens


CHEM-2004  

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The Noble Gases

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7/Rates of reaction and energy changes

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Rates Of Reaction & Collision Theory

CHEM-2077   




Effect of Concentration and Pressure

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Measuring Reaction Rates

CHEM-2138   

Interpreting Rate Graphs




CHEM-2136   

Catalysts




CHEM-2080   

Heat energy changes in chemical reactions




Exothermic & Endothermic Reactions

CHEM-2081   

Bond breaking & bond making

CHEM-2082   

Measuring Energy Changes

CHEM-2083   




Calculations Using Bond Energies

CHEM-2137   




8/Fuels and Earth science

Fuels



Introduction to Organic Chemistry

CHEM-2113   

Crude Oil

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Additional Resources

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CHEM-2053   
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9/Separate chemistry 2





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Nanoscience
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 CHEM-2149  
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Qualitative & Quantitative Analysis
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Alcohols
 Carboxylic Acids
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Additional Resources



Formulae, equations and hazards

Formulae, equations and hazards

Representing Chemical Reactions

CHEM-2017  




Chemical Reactions

CHEM-2016  




Chemistry Practicals

Chemistry Practicals




Preparation of a Pure, Dry Sample of Salt from an Insoluble Oxide or Carbonate

CHEM-20-001   




Investigation Into Factors Affecting the Rates of Reactions

CHEM-20-002   



Investigate the Electrolysis of Copper Sulfate Solution with Inert Electrodes and Copper Electrodes

CHEM-20-004   

Determination of the Reacting Volumes of Solutions of a Strong Acid and a Strong Alkali by Titration

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Investigate the Change in pH on Adding Powdered Calcium Hydroxide or Calcium Oxide to a Fixed Volume of Dilute Hydrochloric Acid

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Revision Skills and Tips - Chemistry

Revision Tips



Introduction

REV-001-002-001  



Revising Chemistry

REV-001-002-002  



Discussing Topics with Friends

REV-001-002-003  



Breaking Up Lists

REV-001-002-004  



Being Definite About Definitions

REV-001-002-005  

Summary

REV-001-002-006  

Web Links

REV-001-002-007  

Revision and Study Skills

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Additional Resources





























































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Planning for Revision	REV-001-004-002		
Developing Independent Study Skills for Success	REV-001-004-003		
Managing Exam Stress	REV-001-004-004		
Keeping Your Brain Active During Revision	REV-001-004-005		
Summary	REV-001-004-006		
Web Links	REV-001-004-007		

GCSEPod's Top Revision Tips

GCSEPod's Top Revision Tips	REV-011-001		
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Getting Ready for KS5 (A Level)

Getting Ready for KS5 (A Level) Chemistry

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