

Content



Pods



Check & Challenge



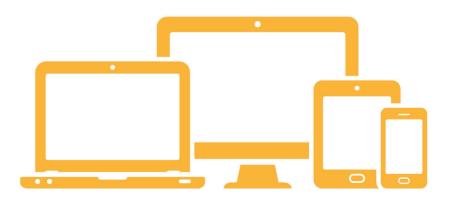
Ready Made Assignment



Additional Resources



In Production





Chemistry

AQA

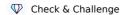
Getting Ready for KS4 (GCSE)

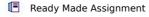
Getting Ready for KS4 (GCSE) Chemistry

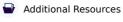
,			
Exothermic & Endothermic Reactions	CHEM-2081		
Getting Ready for KS4 (GCSE)	GRF-01-001		
Representing Chemical Reactions	CHEM-2017		
States of matter	CHEM-2150		
The Periodic Table	CHEM-2008		
Discovery of the Structure of the Atom	CHEM-2009		
Atomic Structure	CHEM-2010		
Combining Elements	CHEM-2013		
Atoms and Formula	CHEM-2015		
Determination of a Melting Point for a Pure and Impure Substance	CHEM-20-014		
Investigate the Variables that Affect Temperature Changes in Reacting Solutions	CHEM-20-012	\triangleright	
Solubility	CHEM-2126		
Separation Methods	CHEM-2089		
Chromatography	CHEM-2086		
Diffusion	CHEM-2153		
Acids and Bases	CHEM-2101		
Investigate the Change in pH on Adding Powdered Calcium Hydroxide or Calcium Oxide to a Fixed Volume of Dilute Hydrochloric Acid	CHEM-20-013	\triangleright	
Making Salts	CHEM-2104		
Displacement	CHEM-2031		
Group 1: Alkali Metals	CHEM-2001		
Group 7: The Halogens	CHEM-2004		
Traditional Extraction Methods	CHEM-2025		
Elements in the Periodic Table	CHEM-2007		
Polymerisation	CHEM-2046	\triangleright	

Symbol Keys











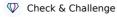


Properties Of Polymers	CHEM-2047			
The Atmosphere: Past and Present	CHEM-2054			
Processes that Change the Atmosphere	CHEM-2057			
Acid metal reactions	CHEM-2145			
Climate Change	CHEM-2039			
Scientific Method	SCI-MAT-001			
Lab measurements	CHEM-2155			
Chemical Reactions	CHEM-2016	\triangleright		
1/Atomic structure and the periodic table				
4.1.2/The periodic table				
The Periodic Table	CHEM-2008			
History of the Periodic Table	CHEM-2014			
The Noble Gases	CHEM-2006			
Group 1: Alkali Metals	CHEM-2001			
Reactivity in Group 1	CHEM-2002			
Group 7: The Halogens	CHEM-2004			
Reactivity in Group 7	CHEM-2005		\bigcirc	
4.1.1/A simple model of the atom,				
symbols, relative atomic mass, electronic charge and isotopes				
Atomic Structure	CHEM-2010			
Combining Elements	CHEM-2013			
Representing Chemical Reactions	CHEM-2017			
Electronic Structure	CHEM-2012			
Elements and compounds	CHEM-2151			
Isotopes and Relative Atomic Mass	CHEM-2070			
Separation Methods	CHEM-2089		\bigcirc	
Discovery of the Structure of the Atom	CHEM-2009			
Subatomic Particles	CHEM-2011			
Elements in the Periodic Table	CHEM-2007	\triangleright	\bigcirc	
4.1.3/Properties of transition metals				

Symbol Keys

Pods





The Transition Metals in the Periodic Table





CHEM-2003 ▷ ♥ ■

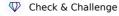
4.

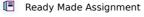


CHEM-2029 ▷ ♥ ■ Transition Metals 4.2/Bonding, structure, and the properties of matter 4.2.2/How bonding and structure are related to the properties of substances CHEM-2150 ▷ Ѿ 🗏 States of matter Polymerisation CHEM-2046 Properties of metals CHEM-2158 4.2.1/Chemical bonds, ionic, covalent and metallic Ionic bonding CHEM-2060 Ionic Compounds CHEM-2062 Formula of Ionic Compounds CHEM-2061 **Covalent Bonding** CHEM-2063 Metallic Bonding CHEM-2064 Simple & Giant Covalent Substances CHEM-2065 4.2.3/Structure and bonding of carbon Allotropes of Carbon CHEM-2066 ▷ 🗉 4.2.4/Bulk and surface properties of matter including nanoparticles CHEM-2069 ▷ ■ Nanoscience 4.3/Quantitative chemistry 4.3.1/Chemical measurements. conservation of mass and the quantitative interpretation of chemical equations Atoms and Formula CHEM-2015 ▷ ♥ ■ Relative Formula Mass and Percentage By CHEM-2071 ▷ ♥ ■ Mass 4.3.2/Use of amount of substance in relation to masses of pure substances CHEM-2073 ▷ ♥ ■ Moles Reacting Masses CHEM-2139 \triangleright \bigcirc **Empirical Formulae** CHEM-2072

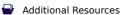














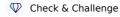


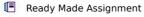
	Concentration and Solutions	CHEM-2074		\bigcirc	
	Chemical Reactions	CHEM-2016		\bigcirc	
	4.3.3/Yield and atom economy of chemical reactions				
	Percentage Yield and Atom Economy	CHEM-2075	\triangleright		
	4.3.4/Using concentrations of solutions in mol/dm3				
	Titration Calculations Using Moles	CHEM-2134			
4.	4/Chemical changes				
	4.4.2/Reactions of acids				
	Neutralisation	CHEM-2103	\triangleright		
	Making Salts	CHEM-2104	\triangleright		
	Salt	CHEM-2018	\triangleright		
	Acids and Bases	CHEM-2101			
	Alkalis	CHEM-2102			
	Titration Calculations Using Relative Formula Mass	CHEM-2135	\triangleright	\bigcirc	
	Titration: Practical Procedure	CHEM-2092			
	Titration: Practical Procedure	CHEM-2140		\bigcirc	
	Strong & Weak Acids	CHEM-2124			
	Acid metal reactions	CHEM-2145		\bigcirc	
	4.4.3/Electrolysis				
	Electrolysis	CHEM-2095	\triangleright		
	Uses Of Electrolysis	CHEM-2100			
	Events at the Electrodes	CHEM-2096		\bigcirc	
	4.4.1/Reactivity of metals				
	Oxides	CHEM-2148	\triangleright		
	Metals & Ores	CHEM-2024	\triangleright	\bigcirc	
	Traditional Extraction Methods	CHEM-2025		\bigcirc	
	Displacement	CHEM-2031		\bigcirc	
	Redox	CHEM-2128	\triangleright	\bigcirc	

4.5/Energy changes



▶ Pods % In production









4.5.1/Exothermic and endothermic reactions

Exothermic & Endothermic Reactions	CHEM-2081	\bigcirc	
Bond breaking & bond making	CHEM-2082		
Measuring Energy Changes	CHEM-2083		
Calculations Using Bond Energies	CHEM-2137		

4.5.2/Chemical cells and fuel cells

Fuel Cells	CHEM-2127		
Fuel cells	CHEM-2156		

4.6/The rate and extent of chemical change

4.6.1/Rate of reaction

Effect of Concentration and Pressure	CHEM-2078	\triangleright	
Interpreting Rate Graphs	CHEM-2136		
Measuring Reaction Rates	CHEM-2138		
Effect of Temperature & Surface Area	CHEM-2079		
Rates Of Reaction & Collision Theory	CHEM-2077		
Catalysts	CHEM-2080		

4.6.2/Reversible reactions and dynamic equilibrium

Reversible Reactions & Equilibria	CHEM-2084		
Choosing the Reaction Conditions	CHEM-2106		

4.7/Organic chemistry

4.7.2/Reactions of alkenes and alcohols

Alkenes	CHEM-2041		
Alcohols	CHEM-2114		
Ethanol	CHEM-2115		
Carboxylic Acids	CHEM-2116	\bigcirc	

4.7.1/Carbon compounds as fuels and feedstock

Crude Oil	CHEM-2032		\bigcirc	
Fuels	CHEM-2034	\triangleright		
Alkanes	CHEM-2033			

Symbol Keys

Pods











Complete and Incomplete Combustion	CHEM-2035			
4.7.3/Synthetic and naturally occurring polymers				
Condensation polymerisation	CHEM-2149		\bigcirc	
4.8/Chemical analysis				
4.8.1/Purity, formulations and chromatography				
Chromatography	CHEM-2086		\bigcirc	
4.8.3/Identification of ions by chemical and spectroscopic means				
Flame Testing & Spectroscopy	CHEM-2090		\bigcirc	
Uses of sodium hydroxide and chlorine	CHEM-2143	\triangleright		
Metal Carbonates	CHEM-2022		\bigcirc	
4.9/Chemistry of the atmosphere				
4.9.3/Common atmospheric pollutants and their sources				
Environmental Impact of Burning Hydrocarbons	CHEM-2036			
Pollution	CHEM-2037	\triangleright		
4.9.2/Carbon dioxide and methane as greenhouse gases				
Climate Change	CHEM-2039		\bigcirc	
Processes that Change the Atmosphere	CHEM-2057		\bigcirc	
4.9.1/The composition and evolution of the Earth's atmosphere				
The Atmosphere: Past and Present	CHEM-2054	\triangleright		
4.10/Using resources				
4.10.4/The Haber process and the use of NPK fertilisers				
Using Fertilisers	CHEM-2108			
4.10.1/Using the Earth's resources and obtaining potable water				
Purifying Water	CHEM-2120	\triangleright	\bigcirc	



Symbol Keys

Pods

Additional Resources

Ready Made Assignment

※ In production



Testing for water	CHEM-2146	\triangleright	\bigcirc	
New Ways of Extracting Copper	CHEM-2026		\bigcirc	
4.10.3/Using materials				
Corrosion	CHEM-2030			
Alloys	CHEM-2028			
Properties Of Polymers	CHEM-2047		\bigcirc	
4.10.2/Life cycle assessment and recycling				
Reducing Pollution	CHEM-2038			
Recycling metals	CHEM-2160			
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		\bigcirc	
Investigate What Happens When Aqueous Solutions Are Electrolysed Using Inert	CHEM-20-003	\triangleright	\bigcirc	

Revision Skills and Tips - Chemistry

Determination of the Reacting Volumes of

Use of Chemical Tests to Identify the Ions in

Investigate How Paper Chromatography Can Be Used to Separate and Tell the Difference

Temperature Changes in Reacting Solutions

Solutions of a Strong Acid and a Strong

Unknown Single Ionic Compounds

Separation of Liquids by Distillation

Investigate the Variables that Affect

Between Coloured Substances

Revision Tips

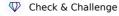
Electrodes

Alkali by Titration

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	



Pods **%** In production



CHEM-20-005

CHEM-20-006

CHEM-20-007

CHEM-20-008

CHEM-20-012

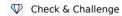




	Summary	REV-001-002-006			
	Web Links	REV-001-002-007			
	Revision and Study Skills				
	Introduction	REV-001-004-001	\triangleright		
	Planning for Revision	REV-001-004-002			
	Developing Independent Study Skills for Success	REV-001-004-003	\triangleright		
	Managing Exam Stress	REV-001-004-004			
	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			
Getting Ready for KS5 (A Level)					
	Getting Ready for KS5 (A Level) Chemistry				
	Ionic bonding	CHEM-2060			
	Ionic Compounds	CHEM-2062			
	Exothermic & Endothermic Reactions	CHEM-2081			
	Getting Ready for KS5 (A Level)	GRF-01-002	\triangleright		
	Atoms and Formula	CHEM-2015			
	Formula of Ionic Compounds	CHEM-2061			
	The Periodic Table	CHEM-2008			
	Discovery of the Structure of the Atom	CHEM-2009			
	Moles	CHEM-2073			
	Covalent Bonding	CHEM-2063			
	Atomic Structure	CHEM-2010			
	Electronic Structure	CHEM-2012			
	Metallic Bonding	CHEM-2064			
	Isotopes and Relative Atomic Mass	CHEM-2070	\triangleright		
	Separation Methods	CHEM-2089			
	Subatomic Particles	CHEM-2011			
	DNA (Part 1)	BIOL-2024	\triangleright		

Symbol Keys











DNA (Part 2)	BIOL-2025		
Relative Formula Mass and Percentage By Mass	CHEM-2071	\triangleright	
Titration Calculations Using Moles	CHEM-2134		
Concentration and Solutions	CHEM-2074		
Gas Pressure	PHYS-2098		
Percentage Yield and Atom Economy	CHEM-2075		
Simple & Giant Covalent Substances	CHEM-2065		
Bond breaking & bond making	CHEM-2082		
Calculations Using Bond Energies	CHEM-2137		
Interpreting Rate Graphs	CHEM-2136		
Rates Of Reaction & Collision Theory	CHEM-2077		
Catalysts	CHEM-2080		
Investigate the Variables that Affect Temperature Changes in Reacting Solutions	CHEM-20-012		
History of the Periodic Table	CHEM-2014		
The Noble Gases	CHEM-2006		
Group 1: Alkali Metals	CHEM-2001		
Group 7: The Halogens	CHEM-2004		
Crude Oil	CHEM-2032		
Alkanes	CHEM-2033		
Alkenes	CHEM-2041		
Alcohols	CHEM-2114		
Carboxylic Acids	CHEM-2116		
Properties Of Polymers	CHEM-2047		
Polymerisation	CHEM-2046		
Lab measurements	CHEM-2155	\triangleright	
Chromatography	CHEM-2086		





