

# WJEC

## A Level Chemistry and Careers in Chemistry

Find examples of relevant careers for subsections of the curriculum and link through to job profiles for further information. The profiles will give your students real world examples of jobs in the aspects of chemistry they enjoy most. They are written by teachers for teachers.

Simply click on the job title to go to the job profile on A Future in Chemistry.

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## A Level Chemistry and Careers in Chemistry 1 of 4

### AS Unit 1 – The Language of Chemistry, Structure of Matter

#### 1.4 Bonding

- › Cancer Researcher and Science Communicator
- › Research Fellow
- › Postdoctoral Research Associate

#### 1.5 Solid Structures

- › Postdoctoral Research Associate

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### AS Unit 2 – Energy, Rate and Chemistry of Carbon Compounds

#### 2.1 Thermochemistry

- › Chief Chemist
- › Scientist, Engineer and Science Communicator
- › PhD Student
- › Project Leader in Enhanced Experimentation

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## A Level Chemistry and Careers in Chemistry 2 of 4

### AS Unit 2 – Energy, Rate and Chemistry of Carbon Compounds

#### 2.5 Hydrocarbons

- › Project Leader in Enhanced Experimentation
- › Vice President of Research and Development
- › Sustainability Consultant

#### 2.7 Alcohols and Carboxylic Acids

- › Forensic Scientist

#### 2.8 Instrumental Analysis

- › Advanced Apprentice – Forensics
- › Environmental Chemist
- › Analytical Scientist
- › Forensic Scientist
- › Assistant Analysis, Drug Control Centre
- › Household Goods Scientist
- › Associate Researcher
- › Quality Assurance Chemist
- › Astrochemist
- › Registered Scientist
- › Atmospheric Chemist
- › Scientific Associate, NMR Spectroscopy
- › Chemical Industrial Placement
- › Senior Analytical Systems Technician
- › Director of IRC in Biomedical Materials
- › Sports Scientist

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## A Level Chemistry and Careers in Chemistry 3 of 4

### A2 Unit 3 – Physical and Inorganic Chemistry

#### 3.1 Redox and Standard Electrode Potential

- › Patent Attorney

#### 3.4 Chemistry of the d-Block Transition Metals

- › Project Manager

#### 3.6 Enthalpy Changes for Solids and Solutions

- › Chief Chemist
- › Project Leader in Enhanced Experimentation
- › PhD Student

#### 3.9 Acid-base Equilibria

- › Quality Assurance Chemist

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### A2 Unit 4 – Organic Chemistry and Analysis

#### 4.4 Aldehydes and Ketones

- › Flavour Chemist and Innovation Director

#### 4.5 Carboxylic Acids and their Derivatives

- › Flavour Chemist and Innovation Director

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## A Level Chemistry and Careers in Chemistry 4 of 4

### A2 Unit 4 – Organic Chemistry and Analysis

#### 4.7 Amino Acids, Peptides and Proteins

- › Postdoctoral Research Associate

#### 4.8 Organic Synthesis and Analysis

- › Advance Apprentice – Forensics
- › Analytical Scientist
- › Applications Chemist
- › Assistant Analyst, Drug Control Centre
- › Associate Researcher
- › Astrochemist
- › Atmospheric Chemist
- › Chemical Industrial Placement
- › Director of IRC in Biomedical Materials
- › Director of Medicinal Chemistry
- › Environmental Chemist
- › Experimental Chemist
- › Forensic Scientist
- › Household Goods Scientist
- › Medicinal Chemist
- › Quality Assurance Chemist
- › Registered Scientist
- › Researcher
- › Scientific Associate, NMR Spectroscopy
- › Senior Analytical Systems Technician
- › Skincare Company Founder
- › Sports Scientist