

AQA

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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3.1 Physical chemistry

3.1.1 Atomic structure

- › [Research assistant, healthcare](#)

3.1.2 Amount of substance

- › [Analytical chemists, Thames Water](#)

3.1.3 Bonding

- › [Computational toxicologist](#)
- › [Nanotoxicologist](#)
- › [Postdoctoral research associate](#)
- › [Research innovations manager](#)
- › [Research fellow](#)
- › [Science communicator](#)

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3.1.4 Energetics

› Chief chemist

› Project leader in enhanced
experimentation

3.1.11 Electrode potentials and electrochemical cells (A Level Only)

› Patent attorney

3.3.16 Chromatography (A Level Only)

› Analytical chemist, healthcare

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3.2 Inorganic chemistry

3.2.2 Group 2, the alkaline earth metals

- › Analytical chemists, Thames Water
- › Laboratory analyst and higher degree apprentice, water

3.2.5 Transition metals (A Level Only)

- › Chief technology officer
- › Development chemist, printing and inks
- › Project manager

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3.3 Organic chemistry

3.3.1 Introduction to organic chemistry

- › [Associate principal scientist, food](#)
- › [Associate scientist, pharmaceuticals](#)
- › [Chief technology officer](#)
- › [Computational toxicologist](#)
- › [Development chemist, printing and inks](#)
- › [Forensic toxicologist](#)
- › [Nanotoxicologist](#)
- › [Toxicologist, chemical company](#)

3.3.2 Alkanes

- › [Project leader in enhanced experimentation](#)

3.3.4 Alkenes

- › [Analytical technician, plastics](#)
- › [Research innovations manager](#)

3.3.5 Alcohols

- › [Forensic scientist](#)

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3.3 Organic chemistry

3.3.6 Organic analysis

- › [Advanced apprentice – forensics](#)
- › [Assistant analyst, drug control centre](#)
- › [Astrochemist](#)
- › [Bioanalytical scientist](#)
- › [Environmental chemist](#)
- › [Forensic toxicologist](#)
- › [Nanotoxicologist](#)
- › [Research innovations manager](#)
- › [Sports scientist](#)
- › [Analytical chemists, Thames Water](#)
- › [Associate researcher](#)
- › [Atmospheric chemist](#)
- › [Director of IRC in biomedical materials](#)
- › [Forensic scientist](#)
- › [Laboratory analyst and higher degree apprentice, water](#)
- › [Research assistant, healthcare](#)
- › [Senior analytical systems technician](#)

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3.3 Organic chemistry

3.3.7 Optical isomerism (A level only)

- › [Associate principal scientist, food](#)
- › [Nanotoxicologist](#)
- › [Research innovations manager](#)

3.3.8 Aldehydes and ketones (A Level Only)

- › [Flavour chemist and innovation director](#)

3.3.9 Carboxylic acids and derivatives (A Level Only)

- › [Flavour chemist and innovation director](#)

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3.3 Organic chemistry

3.3.12 Polymers (A Level Only)

- › [Analytical technician, plastics](#)
- › [Consumer products technician](#)
- › [Patent attorney](#)
- › [Research innovations manager](#)

3.3.13 Amino acids, proteins and DNA (A Level Only)

- › [Director of IRC in biomedical materials](#)
- › [Postdoctoral research associate](#)

3.3.14 Organic synthesis (A Level Only)

- › [Analytical technician, plastics](#)
- › [Associate researcher](#)
- › [Household goods scientist](#)
- › [Director of medicinal chemistry](#)
- › [Research innovations manager](#)

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3.3 Organic chemistry

3.3.15 Nuclear magnetic resonance spectroscopy (A Level Only)

- › Scientific associate, NMR spectroscopy
- › Laboratory analyst and higher degree apprentice, water
- › Forensic toxicologist
- › Nanotoxicologist

3.3.16 Chromatography

- › Associate scientist, pharmaceuticals
- › Chief technology officer
- › Forensic toxicologist
- › Research assistant, healthcare
- › Bioanalytical scientist
- › Scientific associate, NMR spectroscopy
- › Laboratory analyst and higher degree apprentice, water

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Unit 8 Practical assessment

8.1 Use of apparatus and techniques

- › School science technician

8.2 Required practical activities

- › School science technician

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