

OCR Chemistry A (Gateway Science) J248 GCSE 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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Topic C1 Particles

C1.2 Atomic structure

- › [Chemistry engineer, nuclear](#)
- › [Chief chemist](#)
- › [Radioactive waste consultant](#)
- › [Secondary school science teacher](#)

Topic C2: Elements, compounds and mixtures

C2.1 Purity and separating mixtures

- › [Director](#)
- › [Process chemist – higher apprentice, pharmaceuticals](#)
- › [Project leader in enhanced experimentation, oil & gas](#)
- › [Radioactive waste consultant](#)
- › [Research scientist, microplastics](#)
- › [Scientist, food and pharmaceuticals](#)
- › [Scientist, Incident Management & Crisis Resolution](#)
- › [Secondary school science teacher](#)
- › [Senior laboratory technician](#)
- › [Senior science manager](#)
- › [Soil scientist](#)

C2.2 Bonding

- › [Analytical technician, plastics](#)
- › [Bionanotechnology PhD student](#)
- › [Co-founder and machine learning lead of tech startup Ignota Labs](#)
- › [Secondary school science teacher](#)
- › [Senior curator](#)
- › [Senior software developer](#)
- › [Technical services chemist, cosmetics](#)

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C2.3 Properties of materials

- › [Head of research and sustainability](#)
- › [Marketing development manager](#)
- › [Secondary school science teacher](#)
- › [Section leader, wind](#)

C2.3 Properties of materials

- › [Analytical technician, plastics](#)
- › [Associate professor](#)
- › [Bionanotechnology PhD student](#)
- › [Chief scientist at agritech company, Lambda Energy](#)
- › [Co-founder and machine learning lead of tech startup Ignota Labs](#)
- › [Dermal toxicologist](#)
- › [Head of toxicology](#)
- › [Laboratory scientist apprentice](#)
- › [Nanotoxicologist](#)
- › [PhD researcher](#)
- › [Postdoctoral research associate](#)
- › [R&D Chemist](#)
- › [Research fellow](#)
- › [Research innovations manager](#)
- › [Research scientist, microplastics](#)
- › [Science communicator](#)
- › [Scientist, food and pharmaceuticals](#)
- › [Senior principal scientist](#)
- › [Solar technology engineer](#)
- › [Technical services chemist, cosmetics](#)

Topic C3: Chemical reactions

C3.1 Introducing chemical reactions

- › [Associate researcher, pharmaceuticals](#)
- › [Chemistry engineer, nuclear](#)
- › [Medicinal chemist, drug discovery](#)
- › [Process chemist – higher apprentice, pharmaceuticals](#)
- › [Research & development team leader](#)
- › [Science career coach and mentor](#)
- › [Scientist, food and pharmaceuticals](#)
- › [Secondary school science teacher](#)
- › [Technical services chemist, cosmetics](#)

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C3.1 Introducing chemical reactions

- › [Associate researcher, pharmaceuticals](#)
- › [Chemistry engineer, nuclear](#)
- › [Medicinal chemist, drug discovery](#)
- › [Process chemist – higher apprentice, pharmaceuticals](#)
- › [Research & development team leader](#)
- › [Science career coach and mentor](#)
- › [Scientist, food and pharmaceuticals](#)
- › [Secondary school science teacher](#)
- › [Technical services chemist, cosmetics](#)

C3.2 Energetics

- › [Chemistry engineer, nuclear](#)
- › [Director](#)
- › [Secondary school science teacher](#)

C3.3 Types of chemical reactions

- › [Chemistry engineer, nuclear](#)
- › [Laboratory scientist apprentice](#)
- › [Medicinal chemist, drug discovery](#)
- › [Process chemist – higher apprentice, pharmaceuticals](#)
- › [Research & development team leader](#)
- › [Scientist, food and pharmaceuticals](#)
- › [Secondary school science teacher](#)
- › [Senior laboratory technician](#)
- › [Technical services chemist, cosmetics](#)

C3.4 Electrolysis

- › [Product and process development manager](#)
- › [Secondary school science teacher](#)

Topic C4: Predicting and identifying reactions and products

C4.1 Predicting chemical reactions

- › [Associate principal scientist, food](#)
- › [Associate researcher, pharmaceuticals](#)
- › [Co-founder and machine learning lead of tech startup Ignota Labs](#)
- › [Dermal toxicologist](#)
- › [Head of computational toxicology](#)
- › [Microplastics toxicologist](#)

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C4.1 Predicting chemical reactions continued

- › [Project manager, world gold council](#)
- › [Science career coach and mentor](#)
- › [Secondary school science teacher](#)
- › [Technical services chemist, cosmetics](#)

C4.2 Identifying the products of chemical reactions

- › [Analyst –higher apprentice, organic chemistry](#)
- › [Analytical chemist](#)
- › [Analytical chemists, Thames Water](#)
- › [Assistant analyst, drug control centre](#)
- › [Associate researcher, pharmaceuticals](#)
- › [Bioanalytical scientist](#)
- › [Chief technology officer and co-founder of a robotic chemists' company](#)
- › [Consumer products technician](#)
- › [Dermal toxicologist](#)
- › [Director of IRC in biomedical materials](#)
- › [Forensic scientist](#)
- › [Forensic toxicologist](#)
- › [Head of toxicology](#)
- › [Laboratory analyst and higher degree apprentice, water](#)
- › [Museum scientist](#)
- › [Pollution control officer](#)
- › [Professor of environmental chemistry](#)
- › [Research assistant, healthcare](#)
- › [Scientific associate, NMR spectroscopy](#)
- › [Scientist, food and pharmaceuticals](#)
- › [Secondary school science teacher](#)
- › [Senior analytical systems technician](#)
- › [Senior director of chip research](#)
- › [Soil scientist](#)

Topic C4: Predicting and identifying reactions and products

C4.2 Identifying the products of chemical reactions

- › [Sports scientist, British Olympic Association](#)
- › [Teaching technical specialist](#)
- › [Technical services chemist, cosmetics](#)

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Topic C5: Monitoring and controlling chemical reactions

C5.1 Monitoring chemical reactions

- › [Bioleaching lab technician](#)
- › [Chemistry engineer, nuclear](#)
- › [Consumer products technician](#)
- › [Dermal toxicologist](#)
- › [Medicinal chemist, drug discovery](#)
- › [Pollution control officer](#)
- › [Process chemist – higher apprentice, pharmaceuticals](#)
- › [School science technician](#)
- › [Scientist, food and pharmaceuticals](#)
- › [Secondary school science teacher](#)
- › [Senior laboratory technician](#)
- › [Soil scientist](#)
- › [University laboratory technician apprentice](#)

C5.2 Controlling reactions

- › [Associate principal scientist, food](#)
- › [Chemistry engineer, nuclear](#)
- › [Chief executive officer, ViridiCO2](#)
- › [Medicinal chemist, drug discovery](#)
- › [Process chemist – higher apprentice, pharmaceuticals](#)
- › [Secondary school science teacher](#)
- › [Senior principal scientist](#)

Topic C6: Global challenges

C6.1 Improving processes and products

- › [Analytical technician, plastics](#)
- › [Associate professor](#)
- › [Associate professor and enterprise, partnerships and innovation lead](#)
- › [Bioleaching lab technician](#)
- › [Bionanotechnology PhD student](#)
- › [Chief executive officer, ViridiCO2](#)
- › [Chief scientist at agritech company, Lambda Energy](#)

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C6.1 Improving processes and products continued

- › [Chief technology officer and co-founder of Lixea, a sustainable solutions company](#)
- › [Co-founder and machine learning lead of tech startup Ignota Labs](#)
- › [Director](#)
- › [Environmental process specialist](#)
- › [Executive editor, scientific publishing](#)
- › [Flavourist and innovation director](#)
- › [Head of computational toxicology](#)
- › [Head of research and sustainability](#)
- › [Head of toxicology](#)
- › [Laboratory scientist apprentice](#)
- › [Marketing development manager](#)
- › [Museum scientist](#)
- › [PhD researcher](#)
- › [Pollution control officer](#)
- › [Principal air quality consultant](#)
- › [Process chemist – higher apprentice, pharmaceuticals](#)
- › [Product and process development manager](#)
- › [Professor of biorefineries](#)
- › [Quality officer, genomics research](#)
- › [R&D Chemist](#)
- › [Radioactive waste consultant](#)
- › [Research & development team leader](#)
- › [Research fellow, battery recycling](#)
- › [Research scientist, microplastics](#)
- › [Scientific Consultant](#)
- › [Secondary school science teacher](#)
- › [Section leader, wind](#)
- › [Senior director of chip research](#)
- › [Senior principal scientist](#)
- › [Senior scientist, household goods](#)
- › [Solar technology engineer](#)
- › [Technical services chemist, cosmetics](#)

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C6.2 Organic chemistry

- › [Analyst –higher apprentice, organic chemistry](#)
- › [Analytical technician, plastics](#)
- › [Chief executive officer, ViridiCO2](#)
- › [Chief technology officer and co-founder of Lixea, a sustainable solutions company](#)
- › [Consumer products technician](#)
- › [Director](#)
- › [Director of IRC in biomedical materials](#)
- › [Director of medicinal chemistry](#)
- › [Executive editor, scientific publishing](#)
- › [Fine fragrance evaluator](#)
- › [Flavourist and innovation director](#)
- › [Marketing development manager](#)
- › [Medicinal chemist, drug discovery](#)
- › [Microplastics toxicologist](#)
- › [Museum scientist](#)
- › [Patent attorney](#)
- › [Principal air quality consultant](#)
- › [Process chemist – higher apprentice, pharmaceuticals](#)
- › [Professor of biorefineries](#)
- › [Project leader in enhanced experimentation, oil & gas](#)
- › [R&D Chemist](#)
- › [Research innovations manager](#)
- › [Secondary school science teacher](#)
- › [Section leader, wind](#)
- › [Senior science manager](#)

C6.3 Interpreting and interacting with earth systems

- › [Analyst –higher apprentice, organic chemistry](#)
- › [Analytical chemists, Thames Water](#)
- › [Associate professor and enterprise, partnerships and innovation lead](#)
- › [Astrochemist](#)
- › [Atmospheric chemist](#)
- › [Chief executive officer, ViridiCO2](#)
- › [Chief scientist at agritech company, Lambda Energy](#)
- › [Environmental process specialist](#)

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C6.3 Interpreting and interacting with earth systems continued

- › [Head of research and sustainability](#)
- › [Marine biogeochemist](#)
- › [PhD researcher](#)
- › [Pollution control officer](#)
- › [Principal air quality consultant](#)
- › [Professor of environmental chemistry](#)
- › [Research fellow, battery recycling](#)
- › [Secondary school science teacher](#)
- › [Section leader, wind](#)
- › [Senior director of chip research](#)
- › [Senior principal scientist](#)
- › [Soil scientist](#)
- › [Solar technology engineer](#)
- › [Environmental chemist](#)
- › [Laboratory analyst and higher degree apprentice, water](#)
- › [Research innovations manager](#)
- › [Research scientist, microplastics](#)
- › [Sustainability manager](#)

Topic C7: Practical skills

Practical activity group

- › [Advanced apprentice at an occupational drug testing laboratory](#)
- › [Analyst –higher apprentice, organic chemistry](#)
- › [Analytical chemists, Thames Water](#)
- › [Analytical technician, plastics](#)
- › [Associate professor](#)
- › [Associate researcher, pharmaceuticals](#)
- › [Bioanalytical scientist](#)
- › [Bioleaching lab technician](#)
- › [Bionanotechnology PhD student](#)
- › [Chemistry engineer, nuclear](#)
- › [Chief scientist at agritech company, Lambda Energy](#)
- › [Chief technology officer and co-founder of a robotic chemists' company](#)
- › [Chief technology officer and co-founder of Lixea, a sustainable solutions company](#)
- › [Computational toxicologist](#)

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Topic C7: Practical skills

Practical activity group continued

- › [Consumer products technician](#)
- › [Dermal toxicologist](#)
- › [Development chemist, printing and inks](#)
- › [Environmental process specialist](#)
- › [Forensic scientist](#)
- › [Forensic toxicologist](#)
- › [Head of chemistry and teacher](#)
- › [Laboratory analyst and higher degree apprentice, water](#)
- › [Laboratory scientist apprentice](#)
- › [Laboratory technician and higher apprentice, solar](#)
- › [Marine biogeochemist](#)
- › [Marketing development manager](#)
- › [Medicinal chemist, drug discovery](#)
- › [Museum scientist](#)
- › [PhD researcher](#)
- › [Pollution control officer](#)
- › [Principal air quality consultant](#)
- › [Process chemist – higher apprentice, pharmaceuticals](#)
- › [Professor of environmental chemistry](#)
- › [Qualified Person, pharmaceuticals](#)
- › [Quality officer, genomics research](#)
- › [R&D Chemist](#)
- › [Research & development team leader](#)
- › [Research fellow, battery recycling](#)
- › [Research scientist, microplastics](#)
- › [School science technician](#)
- › [Scientific Consultant](#)
- › [Scientist, food and pharmaceuticals](#)
- › [Scientist, incident management & crisis resolution](#)
- › [Secondary school science teacher](#)
- › [Section leader, wind](#)
- › [Senior director of chip research](#)
- › [Senior laboratory technician](#)
- › [Senior science manager](#)
- › [Soil scientist](#)
- › [Solar technology engineer](#)
- › [Teaching technical specialist](#)
- › [Technical services chemist, cosmetics](#)
- › [Toxicologist, chemical company](#)
- › [University laboratory technician apprentice](#)