

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.

OCR Chemistry A (Gateway Science)

GCSE Chemistry and Careers in Chemistry
1 of 8

Topic C1 Particles

C1.2 Atomic structure

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

Topic C2: Elements, compounds and mixtures

C2.1 Purity and separating mixtures

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

C2.2 Bonding

- › [Analytical technician, plastics](#)
- › [Senior curator](#)
- › [Secondary school science teacher](#)
- › [Senior software developer](#)

C2.3 Properties of materials

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

OCR Chemistry A (Gateway Science)

GCSE Chemistry and Careers in Chemistry
2 of 8

Topic C2: Elements, compounds and mixtures

C2.3 Properties of materials

- › [Analytical technician, plastics](#)
 - › [Associate professor](#)
 - › [Nanotoxicologist](#)
 - › [PhD researcher](#)
 - › [Postdoctoral research associate](#)
 - › [R&D Chemist](#)
 - › [Research fellow](#)
 - › [Research innovations manager](#)
 - › [Science communicator](#)
 - › [Senior principal scientist](#)
 - › [Solar technology engineer](#)
-

Topic C3: Chemical reactions

C3.1 Introducing chemical reactions

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

C3.2 Energetics

- › [Director](#)
- › [Secondary school science teacher](#)

C3.3 Types of chemical reactions

- › [Medicinal chemist, drug discovery](#)
- › [Process chemist – higher apprentice, pharmaceuticals](#)
- › [Research & development team leader](#)
- › [Secondary school science teacher](#)

C3.4 Electrolysis

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

Last updated 2022

OCR Chemistry A (Gateway Science)

GCSE Chemistry and Careers in Chemistry
3 of 8

Topic C4: Predicting and identifying reactions and products

C4.1 Predicting chemical reactions

- › [Associate principal scientist, food](#)
- › [Associate researcher, pharmaceuticals](#)
- › [Project manager, world gold council](#)
- › [Science career coach and mentor](#)
- › [Secondary school science teacher](#)

C4.2 Identifying the products of chemical reactions

- › [Analyst –higher apprentice, organic chemistry](#)
- › [Analytical chemist, healthcare](#)
- › [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](#)
- › [Director of IRC in biomedical materials](#)
- › [Forensic scientist](#)
- › [Forensic toxicologist](#)
- › [Laboratory analyst and higher degree apprentice, water](#)
- › [Museum scientist](#)
- › [Pollution control officer](#)
- › [Professor of environmental chemistry](#)
- › [Research assistant, healthcare](#)
- › [Scientific associate, NMR spectroscopy](#)
- › [Secondary school science teacher](#)
- › [Senior analytical systems technician](#)
- › [Senior director of chip research](#)
- › [Soil scientist](#)
- › [Sports scientist, British Olympic Association](#)
- › [Teaching technical specialist](#)

Last updated 2022

OCR Chemistry A (Gateway Science)

GCSE Chemistry and Careers in Chemistry
4 of 8

Topic C5: Monitoring and controlling chemical reactions

C5.1 Monitoring chemical reactions

- › [Bioleaching lab technician](#)
- › [Consumer products technician](#)
- › [Medicinal chemist, drug discovery](#)
- › [Pollution control officer](#)
- › [Process chemist – higher apprentice, pharmaceuticals](#)
- › [School science technician](#)
- › [Secondary school science teacher](#)
- › [Soil scientist](#)
- › [University laboratory technician apprentice](#)

C5.2 Controlling reactions

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

OCR Chemistry A (Gateway Science)

GCSE Chemistry and Careers in Chemistry
5 of 8

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](#)
- › [Chief executive officer, ViridiCO2](#)
- › [Chief technology officer and co-founder of Lixea, a sustainable solutions company](#)
- › [Director](#)
- › [Environmental process specialist](#)
- › [Executive editor, scientific publishing](#)
- › [Flavourist and innovation director](#)
- › [Head of research and sustainability](#)
- › [Marketing development manager](#)
- › [Museum scientist](#)
- › [PhD researcher](#)
- › [Pollution control officer](#)
- › [Process chemist – higher apprentice, pharmaceuticals](#)
- › [Product and process development manager](#)
- › [Professor of biorefineries](#)
- › [R&D Chemist](#)
- › [Radioactive waste consultant](#)
- › [Research & development team leader](#)
- › [Research fellow, battery recycling](#)
- › [Scientific Consultant](#)
- › [Secondary school science teacher](#)
- › [Section leader, wind](#)
- › [Senior director of chip research](#)
- › [Senior principal scientist](#)
- › [Senior scientist, household goods](#)
- › [Solar technology engineer](#)

OCR Chemistry A (Gateway Science)

GCSE Chemistry and Careers in Chemistry

6 of 8

Topic C6: Global challenges

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](#)
- › [Museum scientist](#)
- › [Patent attorney](#)
- › [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](#)

OCR Chemistry A (Gateway Science)

GCSE Chemistry and Careers in Chemistry

7 of 8

Topic C6: Global challenges

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](#)
- › [Environmental process specialist](#)
- › [Head of research and sustainability](#)
- › [Marine biogeochemist](#)
- › [PhD researcher](#)
- › [Pollution control officer](#)
- › [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](#)
- › [Sustainability manager](#)

OCR Chemistry A (Gateway Science)

GCSE Chemistry and Careers in Chemistry

8 of 8

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](#)
- › [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](#)
- › [Consumer products technician](#)
- › [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 technician and higher apprentice, solar](#)
- › [Marine biogeochemist](#)
- › [Marketing development manager](#)
- › [Medicinal chemist, drug discovery](#)
- › [Museum scientist](#)
- › [PhD researcher](#)
- › [Pollution control officer](#)
- › [Process chemist – higher apprentice, pharmaceuticals](#)
- › [Professor of environmental chemistry](#)
- › [Qualified Person, pharmaceuticals](#)
- › [R&D Chemist](#)
- › [Research & development team leader](#)
- › [Research fellow, battery recycling](#)
- › [School science technician](#)
- › [Scientific Consultant](#)
- › [Scientist, incident management & crisis resolution](#)
- › [Secondary school science teacher](#)
- › [Section leader, wind](#)
- › [Senior director of chip research](#)
- › [Senior science manager](#)
- › [Soil scientist](#)
- › [Solar technology engineer](#)
- › [Teaching technical specialist](#)
- › [Toxicologist, chemical company](#)
- › [University laboratory technician apprentice](#)

Last updated 2022