

# Higher 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.

# Higher Chemistry

and Careers in Chemistry

1 of 14

## Unit 1 – Chemical changes and structures

### 1a Periodicity

- › [Head of chemistry and science teacher](#)
- › [Secondary school science teacher](#)

### 1b Structure and bonding

- › [Advanced apprentice – forensics](#)
- › [Associate researcher](#)
- › [Astrochemist](#)
- › [Atmospheric chemist](#)
- › [Bioanalytical scientist](#)
- › [Chief chemist](#)
- › [Consumer products technician](#)
- › [Director](#)
- › [Director of medicinal chemistry](#)
- › [Environmental chemist](#)
- › [Fine fragrance evaluator](#)
- › [Forensic scientist](#)
- › [Head of chemistry and science teacher](#)
- › [Household goods scientist](#)
- › [Marketing development manager](#)
- › [Patent attorney](#)
- › [Postdoctoral research associate](#)
- › [Project leader in enhanced experimentation](#)
- › [Research fellow](#)
- › [Scientific associate, NMR spectroscopy](#)
- › [Secondary school science teacher](#)
- › [Senior analytical systems technician](#)
- › [Senior software developer](#)
- › [Sports scientist](#)
- › [Sustainability manager](#)

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# Higher Chemistry

and Careers in Chemistry

2 of 14

## 1c Oxidising and reducing agents

- › [Environmental chemist](#)
  - › [Head of chemistry and science teacher](#)
  - › [PhD researcher](#)
  - › [Secondary school science teacher](#)
- 

## Unit 2 – Nature's chemistry

### 2a Systematic carbon chemistry

- › [Advanced apprentice – forensics](#)
- › [Forensic scientist](#)
- › [Associate researcher](#)
- › [Head of chemistry and science teacher](#)
- › [Atmospheric chemist](#)
- › [Household goods scientist](#)
- › [Consumer products technician](#)
- › [Medical research council board secretary](#)
- › [Development chemist, printing and inks](#)
- › [Scientific associate, NMR spectroscopy](#)
- › [Director of medicinal chemistry](#)
- › [Scientist, Incident Management & Crisis Resolution](#)
- › [Environmental chemist](#)
- › [Secondary school science teacher](#)
- › [Fine fragrance evaluator](#)
- › [Senior software developer](#)
- › [Flavour chemist and innovation director](#)
- › [Sports scientist](#)

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# Higher Chemistry

and Careers in Chemistry

3 of 14

## Unit 2 – Nature's chemistry

### 2b Alcohols

- › [Consumer products technician](#)
- › [Development chemist, printing and inks](#)
- › [Fine fragrance evaluator](#)
- › [Flavour chemist and innovation director](#)
- › [Forensic scientist](#)
- › [Head of chemistry and science teacher](#)
- › [Household goods scientist](#)
- › [Medical research council board secretary](#)
- › [Secondary school science teacher](#)
- › [Senior science manager](#)

### 2c Carboxylic acids

- › [Consumer products technician](#)
- › [Flavour chemist and innovation director](#)
- › [Forensic scientist](#)
- › [Head of chemistry and science teacher](#)
- › [Household goods scientist](#)
- › [Medical research council board secretary](#)
- › [Scientist, Incident Management & Crisis Resolution](#)
- › [Secondary school science teacher](#)

# Higher Chemistry

and Careers in Chemistry

4 of 14

## Unit 2 – Nature’s chemistry

### 2d Esters, fats and oils

- › [Associate principal scientist, food](#)
- › [Consumer products technician](#)
- › [Development chemist, printing and inks](#)
- › [Fine fragrance evaluator](#)
- › [Flavour chemist and innovation director](#)
- › [Forensic scientist](#)
- › [Head of chemistry and science teacher](#)
- › [Head of research and sustainability](#)
- › [Household goods scientist](#)
- › [Medical research council board secretary](#)
- › [Research & development team leader](#)
- › [Scientist, Incident Management & Crisis Resolution](#)
- › [Secondary school science teacher](#)
- › [Senior software developer](#)

### 2e Soaps, detergents and emulsions

- › [Analyst – higher apprentice, organic chemistry](#)
- › [Consumer products technician](#)
- › [Head of chemistry and science teacher](#)
- › [Household goods scientist](#)
- › [Postdoctoral research associate](#)
- › [Secondary school science teacher](#)
- › [Senior software developer](#)
- › [Sports scientist](#)

# Higher Chemistry

and Careers in Chemistry

5 of 14

## Unit 2 – Nature’s chemistry

### 2f Proteins

- › [Associate principal scientist, food](#)
- › [Chief technology officer and co-founder of Lixea, a sustainable solutions company](#)
- › [Consumer products technician](#)
- › [Flavour chemist and innovation director](#)
- › [Head of chemistry and science teacher](#)
- › [Head of research and sustainability](#)
- › [Household goods scientist](#)
- › [Postdoctoral research associate](#)
- › [Professor of biorefineries](#)
- › [Research & development team leader](#)
- › [Secondary school science teacher](#)
- › [Senior software developer](#)
- › [Sports scientist](#)

### 2g Oxidation of food

- › [Associate principal scientist, food](#)
- › [Consumer products technician](#)
- › [Flavour chemist and innovation director](#)
- › [Head of chemistry and science teacher](#)
- › [Household goods scientist](#)
- › [Research & development team leader](#)
- › [Scientist, Incident Management & Crisis Resolution](#)
- › [Secondary school science teacher](#)
- › [Senior software developer](#)
- › [Sports scientist](#)

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# Higher Chemistry

and Careers in Chemistry

6 of 14

## Unit 2 – Nature’s chemistry

### 2h Fragrances

- › [Consumer products technician](#)
- › [Household goods scientist](#)
- › [Fine fragrance evaluator](#)
- › [Scientist, Incident Management & Crisis Resolution](#)
- › [Flavour chemist and innovation director](#)
- › [Secondary school science teacher](#)
- › [Forensic toxicologist](#)
- › [Senior software developer](#)
- › [Head of chemistry and science teacher](#)

### 2i Skin care

- › [Atmospheric chemist](#)
- › [Nanotoxicologist](#)
- › [Consumer products technician](#)
- › [Secondary school science teacher](#)
- › [Head of chemistry and science teacher](#)
- › [Senior software developer](#)
- › [Household goods scientist](#)

# Higher Chemistry

and Careers in Chemistry

7 of 14

## Unit 3 – Chemistry in society

### 3a Getting the most from reactants

- › [Advanced apprentice – forensics](#)
- › [Assistant analyst, drug control centre](#)
- › [Bioanalytical scientist](#)
- › [Bioleaching lab technician](#)
- › [Chief chemist](#)
- › [Chief technology officer and co-founder of a robotic chemists' company](#)
- › [Director of medicinal chemistry](#)
- › [Forensic scientist](#)
- › [Forensic toxicologist](#)
- › [Head of chemistry and science teacher](#)
- › [Household goods scientist](#)
- › [Process chemist – higher apprentice, pharmaceuticals](#)
- › [Project leader in enhanced experimentation](#)
- › [Scientific associate, NMR spectroscopy](#)
- › [Secondary school science teacher](#)
- › [Senior analytical systems technician](#)
- › [Senior science manager](#)
- › [Sustainability manager](#)



# Higher Chemistry

and Careers in Chemistry

8 of 14

## Unit 3 – Chemistry in society

### 3b Controlling the rate

- › [Chief executive officer, ViridiCO2](#)
- › [Director of medicinal chemistry](#)
- › [Head of chemistry and science teacher](#)
- › [Process chemist – higher apprentice, pharmaceuticals](#)
- › [Project leader in enhanced experimentation](#)
- › [Research & development team leader](#)
- › [Scientific associate, NMR spectroscopy](#)
- › [Scientist, Incident Management & Crisis Resolution](#)
- › [Secondary school science teacher](#)
- › [Senior analytical systems technician](#)
- › [Senior principal scientist](#)
- › [Senior science manager](#)
- › [Sustainability manager](#)

### 3c Chemical energy

- › [Astrochemist](#)
- › [Atmospheric chemist](#)
- › [Environmental chemist](#)
- › [Head of chemistry and science teacher](#)
- › [Project leader in enhanced experimentation](#)
- › [Secondary school science teacher](#)
- › [Sports scientist](#)
- › [Sustainability manager](#)

### 3d Equilibria

- › [Atmospheric chemist](#)
- › [Environmental chemist](#)
- › [Head of chemistry and science teacher](#)
- › [Project leader in enhanced experimentation](#)
- › [Secondary school science teacher](#)
- › [Sports scientist](#)

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# Higher Chemistry

## and Careers in Chemistry

9 of 14

### Unit 3 – Chemistry in society

#### 3e Chemical analysis

- › [Advanced apprentice – forensics](#)
- › [Analyst – higher apprentice, organic chemistry](#)
- › [Analytical chemist, healthcare](#)
- › [Analytical chemists, Thames Water](#)
- › [Analytical technician, plastics](#)
- › [Assistant analyst, drug control centre](#)
- › [Associate professor](#)
- › [Associate researcher](#)
- › [Atmospheric chemist](#)
- › [Bioanalytical scientist](#)
- › [Chief executive officer, ViridiCO2](#)
- › [Chief technology officer and co-founder of a robotic chemists' company](#)
- › [Computational toxicologist](#)
- › [Director of IRC in biomedical materials](#)
- › [Medicinal chemist, drug discovery](#)
- › [Museum scientist](#)
- › [Nanotoxicologist](#)
- › [Patent attorney](#)
- › [Pollution control officer](#)
- › [Postdoctoral research associate](#)
- › [Professor of environmental chemistry](#)
- › [Project leader in enhanced experimentation](#)
- › [Research assistant, healthcare](#)
- › [Research fellow](#)
- › [Research innovations manager](#)
- › [Scientific associate, NMR spectroscopy](#)
- › [Scientist, Incident Management & Crisis Resolution](#)
- › [Secondary school science teacher](#)

# Higher Chemistry

and Careers in Chemistry

10 of 14

## Unit 3 – Chemistry in society

3e Chemical analysis cont.

- › [Director of medicinal chemistry](#)
- › [Environmental chemist](#)
- › [Fine fragrance evaluator](#)
- › [Forensic scientist](#)
- › [Forensic toxicologist](#)
- › [Head of chemistry and science teacher](#)
- › [Laboratory analyst and higher degree apprentice, water](#)
- › [Marine biogeochemist](#)
- › [Senior analytical systems technician](#)
- › [Senior principal scientist](#)
- › [Soil scientist](#)
- › [Sports scientist](#)
- › [Sustainability manager](#)
- › [Teaching technical specialist](#)
- › [Toxicologist, chemical company](#)
- › [University laboratory technician apprentice](#)

# Higher Chemistry

and Careers in Chemistry

11 of 14

## Unit 4 – Researching chemistry

### 4a Common chemical apparatus

- › [Advanced apprentice – forensics](#)
- › [Analyst – higher apprentice, organic chemistry](#)
- › [Assistant analyst, drug control centre](#)
- › [Associate researcher](#)
- › [Bioanalytical scientist](#)
- › [Chief chemist](#)
- › [Chief executive officer, ViridiCO2](#)
- › [Consumer products technician](#)
- › [Director of medicinal chemistry](#)
- › [Environmental chemist](#)
- › [Flavour chemist and innovation director](#)
- › [Forensic scientist](#)
- › [Head of chemistry and science teacher](#)
- › [Household goods scientist](#)
- › [Museum scientist](#)
- › [Patent attorney](#)
- › [Postdoctoral research associate](#)
- › [Process chemist – higher apprentice, pharmaceuticals](#)
- › [Professor of environmental chemistry](#)
- › [Project leader in enhanced experimentation](#)
- › [Research fellow](#)
- › [School science technician](#)
- › [Scientific associate, NMR spectroscopy](#)
- › [Secondary school science teacher](#)
- › [Senior analytical systems technician](#)
- › [Senior principal scientist](#)
- › [Soil scientist](#)
- › [Sports scientist](#)
- › [Sustainability manager](#)
- › [Teaching technical specialist](#)
- › [Toxicologist, chemical company](#)
- › [University laboratory technician apprentice](#)

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# Higher Chemistry

and Careers in Chemistry

12 of 14

## Unit 4 – Researching chemistry

### 4b General practical techniques

- › [Advanced apprentice – forensics](#)
- › [Analyst – higher apprentice, organic chemistry](#)
- › [Analytical chemist, healthcare](#)
- › [Analytical chemists, Thames Water](#)
- › [Assistant analyst, drug control centre](#)
- › [Associate professor](#)
- › [Associate researcher](#)
- › [Bioanalytical scientist](#)
- › [Chief chemist](#)
- › [Chief technology officer and co-founder of a robotic chemists' company](#)
- › [Consumer products technician](#)
- › [Director of IRC in biomedical materials](#)
- › [Director of medicinal chemistry](#)
- › [Environmental chemist](#)
- › [Household goods scientist](#)
- › [Laboratory analyst and higher degree apprentice, water](#)
- › [Museum scientist](#)
- › [Patent attorney](#)
- › [Postdoctoral research associate](#)
- › [Process chemist – higher apprentice, pharmaceuticals](#)
- › [Professor of environmental chemistry](#)
- › [Project leader in enhanced experimentation](#)
- › [Research fellow](#)
- › [School science technician](#)
- › [Scientific associate, NMR spectroscopy](#)
- › [Secondary school science teacher](#)
- › [Senior analytical systems technician](#)
- › [Sports scientist](#)

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# Higher Chemistry

and Careers in Chemistry

13 of 14

## Unit 4 – Researching chemistry

### 4b General practical techniques cont.

- › [Flavour chemist and innovation director](#)
- › [Sustainability manager](#)
- › [Forensic scientist](#)
- › [Teaching technical specialist](#)
- › [Forensic toxicologist](#)
- › [Toxicologist, chemical company](#)
- › [Head of chemistry and science teacher](#)
- › [University laboratory technician apprentice](#)

### 4c Reporting experimental work

- › [Advanced apprentice – forensics](#)
- › [Flavour chemist and innovation director](#)
- › [Analyst – higher apprentice, organic chemistry](#)
- › [Forensic scientist](#)
- › [Analytical chemists, Thames Water](#)
- › [Freelance science publicist](#)
- › [Assistant analyst, drug control centre](#)
- › [Head of chemistry and science teacher](#)
- › [Associate professor](#)
- › [Household goods scientist](#)
- › [Associate researcher](#)
- › [Investor relations manager](#)
- › [Astrochemist](#)
- › [Lab technician, solar panels \(higher apprentice\)](#)
- › [Atmospheric chemist](#)
- › [Marine biogeochemist](#)
- › [Bioanalytical scientist](#)
- › [Marketing development manager](#)
- › [Bioleaching lab technician](#)
- › [Medical research council board secretary](#)
- › [Chief chemist](#)
- › [Museum scientist](#)
- › [Chief executive officer, ViridiCO2](#)
- › [Patent attorney](#)

Last updated 2022

# Higher Chemistry

and Careers in Chemistry

14 of 14

## Unit 4 – Researching chemistry

### 4c Reporting experimental work cont.

- › [Chief technology officer and co-founder of a robotic chemists' company](#)
- › [Consumer products technician](#)
- › [Director of IRC in biomedical materials](#)
- › [Director of medicinal chemistry](#)
- › [Environmental chemist](#)
- › [Executive editor, scientific publishing](#)
- › [Finance and planning manager](#)
- › [Fine fragrance evaluator](#)
- › [Project manager](#)
- › [Radioactive waste consultant](#)
- › [Research assistant, healthcare](#)
- › [Research fellow](#)
- › [Research innovations manager](#)
- › [Science communicator](#)
- › [Scientific associate, NMR spectroscopy](#)
- › [Scientist, Incident Management & Crisis Resolution](#)
- › [Section leader, wind](#)
- › [Picture researcher](#)
- › [Policy advisor](#)
- › [Policy researcher](#)
- › [Pollution control officer](#)
- › [Postdoctoral research associate](#)
- › [Process chemist – higher apprentice, pharmaceuticals](#)
- › [Professor of environmental chemistry](#)
- › [Project leader in enhanced experimentation](#)
- › [Senior analytical systems technician](#)
- › [Senior committee specialist](#)
- › [Senior director of chip research](#)
- › [Senior principal scientist](#)
- › [Soil scientist](#)
- › [Sports scientist](#)
- › [Sustainability manager](#)
- › [Toxicologist, chemical company](#)
- › [University laboratory technician apprentice](#)