

## Possible careers

Academic researcher   Analytical chemist   Biotechnologist   Chemical engineer  
Clinical scientist   Biochemistry   Forensic scientist   Nanotechnologist   Pharmacologist  
Research scientist (physical sciences)   Scientific laboratory technician   Toxicologist

Higher education— Degree courses at universities.

Other post 18 options —Sponsored degrees, further education college courses?

Work - You might want to try and find a Traineeship, apprenticeship (such as an Intermediate Apprenticeship), a job with training or a part-time job.

Exams!

## Module 6: Organic chemistry and analysis

- 25. Aromatic chemistry
- 26. Carbonyls and carboxylic acids
- 27. Amines, amino acids and polymers
- 28. Organic synthesis II
- 29. Chromatography and spectroscopy

## Module 4. Organic chemistry

- 11. Basic concepts of organic chemistry
- 12. Alkanes
- 13. Alkenes
- 14. Alcohols
- 15. Haloalkanes
- 16. Organic synthesis
- 17. Spectroscopy

YEAR

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## Module 3. Periodic table and energy

- 7 Periodicity
- 8 Reactivity Trends
- 9 Enthalpy
- 10 Reaction rates and equilibrium

## Module 5: Physical chemistry and transition elements

- 18. Rates of reaction
- 19. Equilibrium
- 20. Acids, bases and pH
- 21. Buffers and neutralisation
- 22. Enthalpy and entropy
- 23. Redox and electrode potentials
- 24. Transition elements

## Module 2. Foundations in chemistry

- 2 Atoms, ions and compounds
- 3 Amounts of Substance
- 4 Acids and redox
- 5 Electrons and bonding
- 6 Shapes of molecules and intermolecular forces

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Exams!

## Using resources

## Chemistry of the atmosphere

## Module 1: Development of practical skills

## Chemical changes

## Energy changes

## Organic Chemistry

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## Chemical analysis

## Rates and equilibria

## Quantitative chemistry

## Atomic structure and Periodic table

## Structure and bonding

YEAR

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YEAR

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## Chemical energy

## Climate and Earth's resources

YEAR

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## Types of reaction

## Separating mixtures

YEAR

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## Periodic table and elements

## Particle model

welcome