



Chemistry KS4

Mastery in Year 11

- Demonstrate comprehensive knowledge and understanding and apply these using accurate scientific terminology.
- Develop accurate, logical and detailed descriptions, explanations and arguments.
- Use a range of mathematical skills to perform complex, multi-step scientific calculations.
- Critically analyse qualitative and quantitative data and draw logical, well-evidenced conclusions.
- Critically evaluate and refine methodologies, and judge the validity of scientific conclusions.

Mastery in Year 10

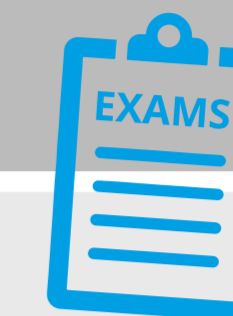
- Demonstrate accurate and relevant knowledge and understanding and apply these to both familiar and unfamiliar contexts using accurate scientific terminology.
- Develop accurate, logical and detailed descriptions and straightforward explanations.
- Use a range of mathematical skills to perform multi-step scientific calculations.
- Analyse qualitative and quantitative data and draw logical conclusions, supported by evidence.



REVISION FOR GCSE EXAMS

How can I apply my knowledge and make links between key ideas?

REVISION AND
COMMENCEMENT OF
EXTERNAL EXAMS



TRANSITION

USING RESOURCES AND CHEMICAL ANALYSIS - IDENTIFICATION OF IONS

How do human activities affect the use of earth's natural resources?



ORGANIC CHEMISTRY AND CHEMISTRY OF THE ATMOSPHERE

Why are carbon compounds so important?



CHEMICAL CHANGES - ELECTROLYSIS

What is the link between bonding and electrolysis?



ENERGY CHANGES

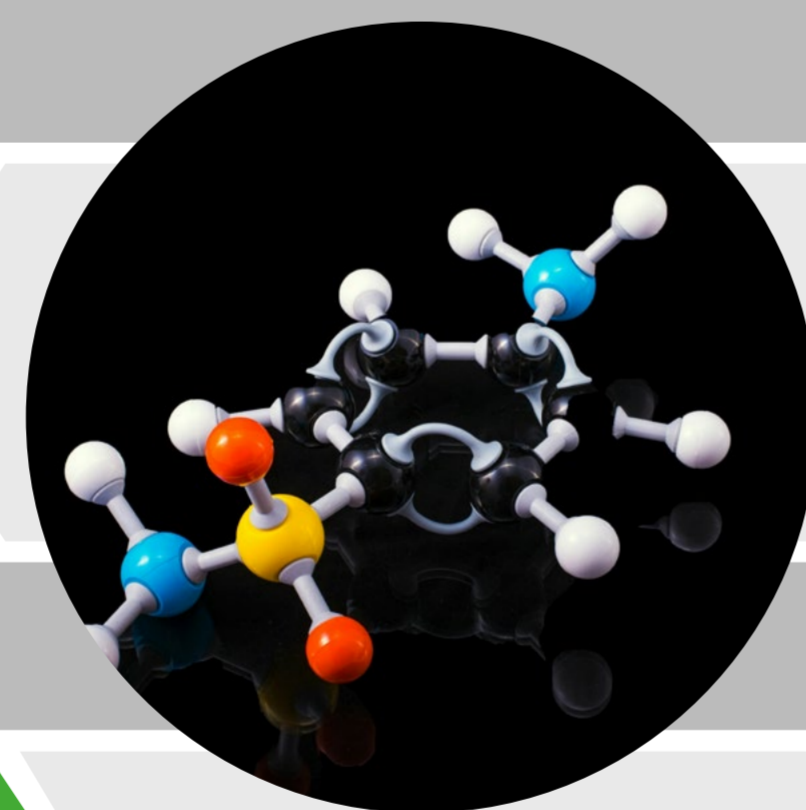
Of what importance are exothermic and endothermic reactions everyday life?



YEAR
11

RATE AND EXTENT OF CHEMICAL CHANGE

Does rate of reaction matter?



CHEMICAL CHANGES - NEUTRALIZATION

What application does neutralization have in everyday life?



QUANTITATIVE CHEMISTRY

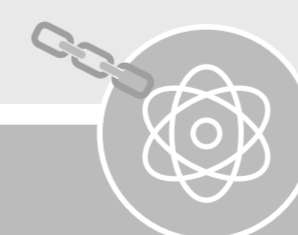
Why do we need to calculate quantities of matter?



YEAR
10

ATOMIC STRUCTURE AND THE PERIODIC TABLE

How do we organize and categorise atoms?



BONDING STRUCTURE AND PROPERTIES OF MATTER

What is the structure of matter?

