

# SCIENCE



Chemistry of the atmosphere  
What is the evidence for global warming?  
Organic chemistry and resources  
How do you make a plastic out of a gas?

Inheritance-What is the difference between a phenotype and a genotype?  
Waves-Why does the electromagnetic spectrum matter to me?  
Space Physics (Triple only)  
When we see stars twinkle in the night sky, how long has it taken that light to reach us?

Forces A and B  
What are Newton's 3 laws?  
What is the difference between speed and velocity?

Rates of Reaction  
How do you make a reaction go faster?  
Homeostasis  
How does your body control its internal environment?



Forces A and B  
What are Newton's 3 laws?  
What is the difference between speed and velocity?

**FINAL GCSE EXAMS**

Chemistry of the Atmosphere  
Organic Chemistry and Using Resources

Inheritance  
Waves  
Space physics

Forces

Rates of Reaction (chemistry)

**YEAR 11**

Organisation  
How do enzymes keep us alive?  
Bonding  
Why is oxygen a gas?

Energy  
Why can't energy be created or destroyed?  
Quantitative Chemistry  
What is a mole?

Infection & Response?  
How does the body defend itself?  
Electricity?  
Why are electrons important in electricity?

Chemical and Energy Change  
Can you have an oxidation reaction without a reduction reaction?  
Bioenergetics  
What is the difference between respiration and photosynthesis?

Ecology (Biology)  
Magnetism and electromagnetism (Physics)

Organisation (Biology)  
Bonding (Chemistry)

Energy (physics)  
Quantitative Chemistry (Chemistry)

Infection and Response (Biology)  
Electricity (Physics)

Chemical and Energy Change (Chemistry)  
Bioenergetics (Biology)

Atoms and Radiation (Physics)  
Chemical Analysis (chemistry)

Magnetism  
Why is the earth like a big magnet?  
Ecology  
How do living things interact with each other and their environment?

KS4

**YEAR 10 GCSE**

How has the periodic table changed over time?

Why do I float in the sea?

What is the difference between prokaryotic and eukaryotic organisms?

What is lightning?

Atoms and radiation  
Is all radiation bad?  
Chemical Analysis  
How can you tell what a chemical is made of?

Atomic Structure (GCSE)

Particles and Matter (GCSE)

Cells (GCSE)

Electricity

Inheritance

What is the reactivity series?

How can something be stationary and moving at a constant speed at the same time?

Which is more dangerous, an acid or an alkali?

Do plants respire?

Why have I got blue eyes?

Forces and Motion

Acids, Alkalis and the Periodic table

Cellular Processes

**YEAR 9**

Reactivity

Waves - Light and Sound

What is a wave?

What is energy?

How does my body work?

Energy

Human Body

What is the difference between an element and a compound?

How big is the universe?

Forces - Push and Pull

Atoms, elements and compounds

Earth Science and Ecosystems

**YEAR 8**

Nutrition and Diet

Particles

Cells and reproduction

**YEAR 7**

What happens to my food in my body?

What is particle theory?

How do plants and animals reproduce?

KS3