

## AQA Triple Science: Biology

Students will sit Biology Paper 1 for their October pre-mocks. All the Triple Science papers are 1 hour 45 minutes long (without extra time) and are out of 100 marks.

Topics to Revise - Foundation	Topics to Revise - Higher
<ul style="list-style-type: none"><li>• The required practical on investigating osmosis.</li></ul>	<ul style="list-style-type: none"><li>• Testing new drugs</li></ul>
<ul style="list-style-type: none"><li>• Plants and photosynthesis</li></ul>	<ul style="list-style-type: none"><li>• The circulatory system</li><li>• Coronary heart disease</li></ul>
<ul style="list-style-type: none"><li>• Protists and malaria</li><li>• Asexual reproduction</li></ul>	<ul style="list-style-type: none"><li>• Vaccination and the immune response.</li><li>• The required practical on culturing microorganisms.</li></ul>
<ul style="list-style-type: none"><li>• Food and digestion</li><li>• The required practical on investigating the effect of pH on amylase.</li></ul>	<ul style="list-style-type: none"><li>• The body's response to exercise</li><li>• Monoclonal antibodies</li></ul>
<ul style="list-style-type: none"><li>• Testing new drugs</li></ul>	<ul style="list-style-type: none"><li>• Protists and malaria</li><li>• Comparing sexual and asexual reproduction</li></ul>
<ul style="list-style-type: none"><li>• The circulatory system</li><li>• Coronary heart disease</li></ul>	<ul style="list-style-type: none"><li>• Photosynthesis</li></ul>

### Helpful Websites

freesciencelessons



SENECA



## Biology

Paper 1	+	Paper 2
<b>What's assessed</b> Topics 1–4: Cell biology; Organisation; Infection and response; and Bioenergetics.		<b>What's assessed</b> Topics 5–7: Homeostasis and response; Inheritance, variation and evolution; and Ecology.
<b>How it's assessed</b> <ul style="list-style-type: none"><li>• Written exam: 1 hour 45 minutes</li><li>• Foundation and Higher Tier</li><li>• 100 marks</li><li>• 50 % of GCSE</li></ul>		<b>How it's assessed</b> <ul style="list-style-type: none"><li>• Written exam: 1 hour 45 minutes</li><li>• Foundation and Higher Tier</li><li>• 100 marks</li><li>• 50 % of GCSE</li></ul>
<b>Questions</b> Multiple choice, structured, closed short answer and open response.		<b>Questions</b> Multiple choice, structured, closed short answer and open response.

## Chemistry

Paper 1:	Paper 2:
<b>What's assessed</b> Topics 1–5: Atomic structure and the periodic table; Bonding, structure, and the properties of matter; Quantitative chemistry, Chemical changes; and Energy changes.	<b>What's assessed</b> Topics 6–10: The rate and extent of chemical change; Organic chemistry; Chemical analysis, Chemistry of the atmosphere; and Using resources. Questions in Paper 2 may draw on fundamental concepts and principles from sections 4.1 to 4.3.
<b>How it's assessed</b> <ul style="list-style-type: none"><li>• Written exam: 1 hour 45 minutes</li><li>• Foundation and Higher Tier</li><li>• 100 marks</li><li>• 50% of GCSE</li></ul>	<b>How it's assessed</b> <ul style="list-style-type: none"><li>• Written exam: 1 hour 45 minutes</li><li>• Foundation and Higher Tier</li><li>• 100 marks</li><li>• 50% of GCSE</li></ul>
<b>Questions</b> Multiple choice, structured, closed short answer and open response.	<b>Questions</b> Multiple choice, structured, closed short answer and open response.

## Physics

Paper 1:	Paper 2:
<b>What's assessed</b> Topics 1-4: Energy; Electricity; Particle model of matter; and Atomic structure.	<b>What's assessed</b> Topics 5-8: Forces; Waves; Magnetism and electromagnetism; and Space physics. Questions in paper 2 may draw on an understanding of energy changes and transfers due to heating, mechanical and electrical work and the concept of energy conservation from <a href="#">Energy</a> (page 17) and <a href="#">Electricity</a> (page 23).
<b>How it's assessed</b> <ul style="list-style-type: none"><li>• Written exam: 1 hour 45 minutes</li><li>• Foundation and Higher Tier</li><li>• 100 marks</li><li>• 50% of GCSE</li></ul>	<b>How it's assessed</b> <ul style="list-style-type: none"><li>• Written exam: 1 hour 45 minutes</li><li>• Foundation and Higher Tier</li><li>• 100 marks</li><li>• 50% of GCSE</li></ul>
<b>Questions</b> <ul style="list-style-type: none"><li>• Multiple choice, structured, closed short answer and open response.</li></ul>	<b>Questions</b> <ul style="list-style-type: none"><li>• Multiple choice, structured, closed short answer and open response.</li></ul>