



Year 10 End of Year Exams: Revision Guidance

Circulation	Year 10 Students
Title	Y10 End of Year Revision Guidance for Combined Science
Purpose	To provide revision information for Year 10 End of Year Examinations

You will sit 3 papers for your end of year science exams. The numbers below are links to the specification. Links to each section of the specification can be access by clicking on the subject below.

Paper 1: [Biology](#)

- 4.1 Cell Biology
 - o 4.1.1 Cell Structure
 - o 4.1.2 Cell Division
 - o 4.1.3 Transport in Cells
- 4.2 Organisation
 - o 4.2.1 Principles of Organisation
 - o 4.2.2 Animal Tissues, Organs and Organ Systems
 - o 4.2.3 Plant tissues, Organs and Systems
- 4.3 Infection and response
 - o 4.3.1 Communicable Diseases
- 4.4 Bioenergetics
 - o 4.4.1 Photosynthesis
 - o 4.4.2 Respiration

Paper 2: [Chemistry](#)

- 5.1 Atomic Structure and the Periodic Table
 - o 5.1.1 A simple model of the atom, symbols, relative atomic mass, electronic charge and isotopes
 - o 5.1.2 The Periodic Table
- 5.2 Bonding, Structure and the Properties of Matter
 - o 5.2.1 Chemical Bonds, Ionic, covalent and Metallic
 - o 5.2.2 How bonding and structure are related to the properties of substances
 - o 5.2.3 Structure and bonding of carbon
- 5.3 Quantitative Chemistry
 - o 5.3.1 Chemical measurements, conservation of mass and the quantitative interpretation of chemical equations
 - o 5.3.2 Use of amount of substance in relation to masses of pure substances
- 5.4 Chemical Changes
 - o 5.4.1 Reactivity of Metals
 - o 5.4.2 Reactions of Acids

Paper 3: [Physics](#)

- 6.1 Energy

- 6.1.1 Energy changes in a system, and the ways energy is stored before and after such changes
- 6.1.2 Conservation and dissipation of Energy
- 6.1.3 National and Global Energy Resources
- 6.2 Electricity
 - 6.2.1 Current, Potential Difference and Resistance
 - 6.2.2 Series and Parallel Circuits
 - 6.2.3 Domestic Uses and Safety
 - 6.2.4 Energy Transfers
- 6.3 Particle Model of Matter
 - 6.3.1 Changes of State and the Particle Model
 - 6.3.2 Internal Energy and Energy Transfers
 - 6.3.3 Particle Model and Pressure
- 6.4 Atomic Structure
 - 6.4.1 Atoms and Isotopes
 - 6.4.2 Atoms and Nuclear Radiation

All Combined Science papers will be 1 hour and 15 minutes

The papers will contain a variety of question types including multiple choice, short answer questions, longer answer questions and practical skills questions. You must answer all questions in the paper.

You will need a black pen, pencil, ruler and calculator for the exam.

Further detail and revision materials can be found here:

Past Papers: [Past Papers - PMT](#) (make sure to select AQA)

Revision: [Cognito Revision Videos](#) (Make sure to select AQA)



Year 10 End of Year Exam: Revision Guidance

Circulation	Year 10 Triple Science Students
Title	Y10 End of Year Exam Revision Guidance for Triple Science
Purpose	To provide revision information for End of Year Examinations

You will sit three papers for your end of Year exams. The numbers below are links to the specification. Links to each section of the specification can be access by clicking on the subject below.

Paper 1: Biology

- 4.1 Cell Biology
 - o 4.1.1 Cell Structure
 - o 4.1.2 Cell Division
 - o 4.1.3 Transport in Cells
- 4.2 Organisation
 - o 4.2.1 Principles of Organisation
 - o 4.2.2 Animal Tissues, Organs and Organ Systems
 - o 4.2.3 Plant tissues, Organs and Systems
- 4.3 Infection and response
 - o 4.3.1 Communicable Diseases
- 4.4 Bioenergetics
 - o 4.4.1 Photosynthesis
 - o 4.4.2 Respiration

Paper 2: Chemistry

- 5.1 Atomic Structure and the Periodic Table
 - o 5.1.1 A simple model of the atom, symbols, relative atomic mass, electronic charge and isotopes
 - o 5.1.2 The Periodic Table
- 5.2 Bonding, Structure and the Properties of Matter
 - o 5.2.1 Chemical Bonds, Ionic, covalent and Metallic
- 5.3 Quantitative Chemistry
 - o 5.3.1 Chemical measurements, conservation of mass and the quantitative interpretation of chemical equations
 - o 5.3.2 Use of amount of substance in relation to masses of pure substances
- 5.4 Chemical Changes
 - o 5.4.1 Reactivity of Metals
 - o 5.4.2 Reactions of Acids

Paper 3: Physics

- 6.1 Energy
 - o 6.1.1 Energy changes in a system, and the ways energy is stored before and after such changes
 - o 6.1.2 Conservation and dissipation of Energy
 - o 6.1.3 National and Global Energy Resources
- 6.2 Electricity

- 6.2.1 Current, Potential Difference and Resistance
- 6.2.2 Series and Parallel Circuits
- 6.2.3 Domestic Uses and Safety
- 6.2.4 Energy Transfers
- 6.3 Particle Model of Matter
 - 6.3.1 Changes of State and the Particle Model
 - 6.3.2 Internal Energy and Energy Transfers
 - 6.3.3 Particle Model and Pressure
- 6.4 Atomic Structure
 - 6.4.1 Atoms and Isotopes
 - 6.4.2 Atoms and Nuclear Radiation

All Separate Science papers will be 1 hour and 45 minutes

The papers will contain a variety of question types including multiple choice, short answer questions, longer answer questions and practical skills questions. You must answer all questions in the paper.

You will need a black pen, pencil, ruler and calculator for the exam.

Further detail and revision materials can be found here:

Past Papers: [Past Papers - PMT](#) (make sure to select AQA)

Revision: [Cognito Revision Videos](#) (Make sure to select AQA)