

Year 8 Assessment 1 Preparation

The assessment will cover the first four topics of Year 8.

- Atomic Structure
- Plants
- Electricity and Magnetism
- Acids and Alkalis

Use the links on the table below to help you prepare.

- 1 - Complete the Knowledge Organiser first.
- 2 - Check your answers using the second slide of the Knowledge Organiser document.
- 3 - Use the Knowledge Organiser to identify any areas you are not confident with.
- 4 - Choose from the options below the Knowledge Organiser link to address this area.

Atomic Structure	Plants	Electricity and Magnetism	Acids and Alkalis
Knowledge Organiser (with answers)	Knowledge Organiser (with answers)	Knowledge Organiser (with answers)	Knowledge Organiser (with answers)
Practice Workbook Pgs 77-81 - Atoms and elements Pgs 82-83 - The Periodic Table Pgs 95-100 - Properties of metals and non-metals (answers are at the end of the workbook document)	Practice Workbook Pgs 40-44 - Plant nutrition Pgs 45-52 - Plant reproduction (answers are at the end of the workbook document)	Practice Workbook Pgs 202-203 - Electrical circuits Pgs 204-205 - Measuring current and potential difference Pgs 206-208 - Series and parallel circuits Pgs 209-210 - Static electricity Pgs 211-212 - Magnets Pgs 213-214 - Electromagnets	Practice Workbook Pgs 110-112 - Balancing equations Pgs 113-114 - Acids and Alkalis Pgs 115-117 - Neutralisation reactions (answers are at the end of the workbook document)

		(answers are at the end of the workbook document)	
White Workbook No relevant pages	White Workbook Pgs 18 and 19 - photosynthesis Answers	White Workbook Pgs 51 and 52 - Electricity Pg 53 - Magnetism Pg 54 - Electromagnetism Answers	White Workbook Pg 47 - Acids and Alkalis Pg 49 - Neutralisation Answers
Seneca Complete from the Chemistry section 2.3.1 - Atoms, elements and compounds 2.3.2 - Electron configuration 2.4.1 - Properties 2.4.2 - The Periodic Table 2.4.3 - Metals and non-metals	Seneca Complete from the Biology section 1.1.6 - Plant cells 1.1.7 - Plant tissues and organs 1.1.14 - Plant gas exchange 1.5.2 - Photosynthesis and Leaves 1.5.3 - Rate of photosynthesis 1.5.4 - Water and nutrient transport	Seneca Complete from the Physics section 3.4.1 - Circuit symbols 3.4.2 - Electric current 3.4.3 - Series and parallel circuits 3.4.4 - Static electricity 3.4.5 - Magnets 3.4.6 - Electromagnets	Seneca Complete from the Chemistry section 2.2.2 - Acids and alkalis 2.2.3 - pH scale 2.6.2 - Balancing symbol equations
Bitesize links Atoms and elements Periodic table	Bitesize links Specialised plant cells Leaves and photosynthesis Photosynthesis Respiration in plants Investigating rate of photosynthesis	Bitesize links Electricity Electromagnetism and magnetism	Bitesize links Acids and alkalis

Videos Metals and non-metals The Periodic Table	Videos Photosynthesis Reproduction in plants Pollination Seed dispersal Adaptation of leaves for photosynthesis	Videos Drawing circuits Series and parallel circuits Current and potential difference Resistance Static electricity Electromagnets Magnets and magnetic fields	Videos Acids and alkalis Neutralisation reactions
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