

# **ATAR** Notes

QCE Chemistry Units 1&2  
Complete Course Notes  
2023–2024

Ally Liessmann

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# Preface

Chemistry can be daunting at first, but it is such an important subject that supports many different career pathways. From pharmacy to chemical engineering, chemistry underpins many different fields in the workplace. This year in Chemistry, you will learn about a range of topics, including the structure of atoms and materials, chemical reactions, aqueous solutions, and acids.

Year 11 Chemistry is extremely important because it teaches you the basic knowledge that you will need for Year 12 Chemistry. Treat Year 11 as a practice for Year 12, because you will do the same types of assessments. So, after you do a piece of assessment, record your mistakes and try to make sure that they won't happen again in Year 12.

There are four different types of assessment that you will likely complete in both Year 11 and Year 12. Each of these assessments are weighted differently and some are more important than others. Like the other science and maths subjects, in Year 12 you will sit an external exam for Chemistry. All other students in Queensland who are doing Chemistry will also take this exam, which is worth 50% of your overall mark and tests you on Units 3&4 (all Year 12 content). Therefore, regular revision and good exam preparation strategies are extremely important!

You will likely sit a practice external exam at the end of this year, which will test you on Units 1&2 (all Year 11 content) as practice for next year's exam. So, this year you should try to work out what study techniques work best for you. I'll talk more about these later.

The table below outlines the different assessment pieces and how much they are worth in Year 12:

Assessment	Percentage of overall subject mark
Unit 3: Data test	10%
Unit 3: Student experiment	20%
Unit 4: Research investigation	20%
Units 3&4: External exam	50%

It is very likely that your Year 11 assessment will mirror the Year 12 assessment, so your data test and student experiment will test you on Unit 1 and the research investigation will test you on Unit 2.

Chemistry can be challenging but remember to always **keep trying** and to never give up! Make sure that you concentrate in class and ask questions when you don't understand something. This will help you fully understand the content. Try to fully immerse yourself in Chemistry by learning as much as you can!

**Practice makes perfect** so try to be persistent, even if you find a certain topic hard at first. Make sure that you do lots of practice questions to test yourself!

I hope that you find these Notes helpful. This book goes through the syllabus content and gives you some tips and tricks to make Chemistry as easy as possible. Good luck and I hope that you enjoy Chemistry this year!

— Ally Liessmann

# Contents

<b>I</b>	<b>Unit 1: Chemical fundamentals – structure, properties, and reactions</b>	<b>1</b>
<b>1</b>	<b>Properties and structure of atoms</b>	<b>2</b>
1.1	Atomic structure . . . . .	2
1.1.1	What is matter? . . . . .	2
1.1.2	Electron shells . . . . .	3
1.1.3	Electron configurations using the Bohr Model . . . . .	3
1.1.4	Introduction to the periodic table . . . . .	4
1.1.5	Nuclear symbol notation . . . . .	6
1.1.6	Orbitals and electron configuration . . . . .	7
1.1.7	Orbital diagrams . . . . .	9
1.2	Periodic table and trends . . . . .	9
1.2.1	Effective nuclear charge . . . . .	9
1.2.2	Metals, non-metals and metalloids . . . . .	11
1.2.3	Atomic radius . . . . .	13
1.2.4	Ionic radii . . . . .	14
1.2.5	Ionisation energy . . . . .	15
1.2.6	Electronegativity . . . . .	16
1.2.7	Acids and bases . . . . .	17
1.3	Introduction to bonding . . . . .	17
1.3.1	Valency . . . . .	17
1.3.2	Metallic bonding . . . . .	18
1.3.3	Ionic bonding . . . . .	18
1.3.4	Covalent bonding . . . . .	19
1.3.5	Lewis dot diagrams . . . . .	21
1.4	Analytical techniques . . . . .	23
1.4.1	Mass spectrometry . . . . .	23
1.4.2	Flame tests . . . . .	25
1.4.3	Atomic absorption spectroscopy (AAS) . . . . .	27
<b>2</b>	<b>Properties and structure of materials</b>	<b>28</b>
2.1	Compounds and mixtures . . . . .	28
2.1.1	Pure substances vs mixtures . . . . .	28
2.1.2	Nanomaterials . . . . .	29
2.2	Bonding and properties . . . . .	30
<b>3</b>	<b>Chemical reactions – reactants, products, and energy change</b>	<b>32</b>
3.1	Chemical reactions . . . . .	32
3.1.1	Chemical reaction vs. physical change . . . . .	32
3.1.2	Chemical equations . . . . .	33
3.2	Exothermic and endothermic reactions . . . . .	35
3.2.1	What is heat? . . . . .	35
3.2.2	Endothermic and exothermic reactions . . . . .	35
3.2.3	Bond enthalpies . . . . .	36
3.2.4	Hess' law . . . . .	37
3.2.5	Calorimetry . . . . .	38
3.3	Fuels . . . . .	38

3.4	Mole concept and law of conservation of mass . . . . .	39
3.4.1	What is a mole? . . . . .	39
3.4.2	Empirical formula . . . . .	40
3.4.3	Stoichiometry . . . . .	42
3.4.4	Experiment yield . . . . .	45
<b>II</b>	<b>Unit 2: Molecular interactions and reactions</b>	<b>46</b>
<b>1</b>	<b>Intermolecular forces and gases</b>	<b>47</b>
1.1	Intermolecular forces . . . . .	47
1.1.1	VSEPR theory . . . . .	47
1.1.2	Polarity of molecules . . . . .	48
1.1.3	Intermolecular forces . . . . .	48
1.1.4	Properties and intermolecular forces . . . . .	49
1.2	Chromatography techniques . . . . .	51
1.2.1	Paper and thin layer chromatography . . . . .	51
1.2.2	Gas chromatography . . . . .	52
1.2.3	High-performance liquid chromatography . . . . .	53
1.3	Gases . . . . .	54
1.3.1	Kinetic theory of gases . . . . .	54
1.3.2	Volume, pressure, and temperature . . . . .	54
1.3.3	Ideal gas equation . . . . .	55
<b>2</b>	<b>Aqueous solutions and acidity</b>	<b>56</b>
2.1	Aqueous solutions and molarity . . . . .	56
2.1.1	Unique properties of water . . . . .	56
2.1.2	Solutions . . . . .	57
2.1.3	Concentration . . . . .	57
2.1.4	Unsaturated, saturated, supersaturated solutions . . . . .	59
2.2	Identifying ions in solution . . . . .	59
2.3	Solubility curves . . . . .	60
2.4	pH . . . . .	61
2.4.1	What are acids and bases? . . . . .	61
2.4.2	pH . . . . .	61
2.4.3	Diluting acids and bases . . . . .	62
2.5	Reaction of acids . . . . .	62
<b>3</b>	<b>Rates of chemical reactions</b>	<b>63</b>
3.1	Rates of reaction . . . . .	63
3.1.1	Factors that affect rates of reaction . . . . .	63
3.1.2	Graphical representations of rate of reaction . . . . .	64
<b>III</b>	<b>Advice for studying Chemistry</b>	<b>65</b>

