

Assessment Specifications

Level 2 Chemistry 2025

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General information

Domain:	Chemistry
Standards:	91164, 91165, 91166
Assessment method:	Examination
Assessment medium:	Printed paper

[Chemistry subject page](#)

[National secondary examinations timetable](#)

Information relating to all achievement standards

Questions may be asked within a variety of appropriate contexts, some of which may be unfamiliar to the candidates. Any context-specific formulae will be provided in the examination.

All working should be shown in calculations. Numerical answers should be rounded to three significant figures. Correct units must be included.

In calculations, candidates will be expected to use the molar mass values given with the question, or on the periodic table provided.

Equipment required

Use of an [approved scientific or graphics calculator](#) is required.

Resources or information supplied

The resource booklet for Level 2 Chemistry can be found at the [Chemistry subject page](#).

It will contain:

- relevant chemical formulae needed for Level 2 Chemistry, e.g. $n = cV$
- a copy of the periodic table – giving element symbols, atomic numbers, and molar masses.

Special notes

Symbols, nomenclature, spelling and formatting will follow IUPAC conventions. These are shown in the reference sheet [Quantities, Units, Symbols, and Nomenclature used in Chemistry \(PDF, 234KB\)](#). This will not be provided in the examination.

Special assessment conditions

Refer to the NZQA website for further information:

[Aromatawai special assessment conditions](#)

Specific information for individual achievement standards

Standard:	91164
Title:	Demonstrate understanding of bonding, structure, properties and energy changes
Version:	2
Number of credits:	5
Assessment medium:	Printed paper

In [Explanatory Note 5](#), solubility refers to polar and non-polar solvents.

Standard:	91165
Title:	Demonstrate understanding of the properties of selected organic compounds
Version:	2
Number of credits:	4
Assessment medium:	Printed paper

In [Explanatory Note 3](#), solubility, melting, and boiling points refer to candidates requiring an understanding of how carbon-chain length and functional groups affect these properties. An explanation of the chemistry of how these factors affect the properties is not required in AS91165.

Standard:	91166
Title:	Demonstrate understanding of chemical reactivity
Version:	2
Number of credits:	4
Assessment medium:	Printed paper
