

# Assessment Specifications

## Level 2 Chemistry 2024

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### General information

<b>Domain:</b>	Chemistry
<b>Assessment method:</b>	Examination
<b>Assessment medium:</b>	Printed paper
<b>Standards:</b>	91164, 91165, 91166

[Chemistry subject page](#)

[National secondary examinations timetable](#)

### Information relating to all achievement standards

#### Equipment required

Calculators are permitted.

#### Resources or information supplied

The resource booklet for Level 2 Chemistry can be found at the following link to the [Chemistry resources](#) for externally assessed standards.

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.

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

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

Any context-specific formulae will be provided in the examination.

## Specific information for individual achievement standards

<b>Standard:</b>	91164
<b>Domain:</b>	Chemistry
<b>Title:</b>	Demonstrate understanding of bonding, structure, properties and energy changes
<b>Version:</b>	2
<b>Number of credits:</b>	5

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

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<b>Standard:</b>	91165
<b>Domain:</b>	Chemistry
<b>Title:</b>	Demonstrate understanding of the properties of organic compounds
<b>Version:</b>	2
<b>Number of credits:</b>	4

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.

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<b>Standard:</b>	91166
<b>Title:</b>	Demonstrate understanding of chemical reactivity
<b>Version:</b>	2
<b>Number of credits:</b>	4