

## Assessment Specifications

# Level 1 Chemistry and Biology 2027

Published in October 2026

## General information

|                           |                            |
|---------------------------|----------------------------|
| <b>Domain:</b>            | Science - Core             |
| <b>Standards:</b>         | 92022, 92023               |
| <b>Assessment method:</b> | Examination, end of year   |
| <b>Assessment medium:</b> | Online digital examination |

[Chemistry and Biology subject page](#)

[National secondary examinations timetable](#)

## Information relating to all achievement standards

Candidates will respond to three questions with paragraph-style answers. Each question may contain more than one part.

Questions will be asked within appropriate contexts, some of which may be unfamiliar to the candidates. Resource material relevant to the questions will be provided in the examination.

Further information about digital external assessment can be found on the NZQA website:

[Digital external assessment](#)

Special assessment conditions

Refer to the NZQA website for further information:

[Aromatawai special assessment conditions](#)

## Specific information for individual achievement standards

|                           |                                                                                            |
|---------------------------|--------------------------------------------------------------------------------------------|
| <b>Standard:</b>          | 92022                                                                                      |
| <b>Title:</b>             | Demonstrate understanding of genetic variation in relation to an identified characteristic |
| <b>Version:</b>           | 4                                                                                          |
| <b>Number of credits:</b> | 5                                                                                          |

Candidates should be familiar with examples provided in the Explanatory Notes of the standard and with identifying genetic relationships through the use of gene tracking methodologies.

Questions will be asked within an appropriate context, which may be unfamiliar to candidates. Examples of gene tracking methodologies within the assessment may include DNA profiling, DNA sequencing, and pedigree or genome analysis.

Candidates are expected to know the terms *allele frequency* and *population* and how sources of genetic variation may change the allele frequency within the population.

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|---------------------------|----------------------------------------------------------------------------------------|
| <b>Standard:</b>          | 92023                                                                                  |
| <b>Title:</b>             | Demonstrate understanding of how the physical properties of materials inform their use |
| <b>Version:</b>           | 3                                                                                      |
| <b>Number of credits:</b> | 4                                                                                      |

Candidates will be required to demonstrate their understanding of how the physical properties of one or more specific types of materials inform their use.

Candidates should be familiar with *types of materials* as groups of substances which share structural similarities, listed in [Explanatory Note 2](#) of the standard, and the particle arrangements and attractions between them.

A periodic table and example list of physical properties will be provided as a separate resource booklet.