

Assessment Specifications

Level 1 Chemistry and Biology 2024

Published in March 2024

General information

Domain: Science – Core

Standards: 92022, 92023

[Chemistry and Biology subject page](#)

[National secondary examinations timetable](#)

Specific information for individual achievement standards

Standard:	92022
Title:	Demonstrate understanding of genetic variation in relation to an identified characteristic
Version:	3
Number of credits:	5
Assessment event scheduling:	School scheduled within NZQA defined period
Assessment timing:	Over-time submission
Assessment method:	Over-time assessment task
Assessment format:	Report
Assessment medium:	Digital submission
Permitted file types:	Document file (PDF, DOC, DOCX), audio file (MP3, WMA), and / or video file (AVI, M4V, MP4, MOV, WEBM, MTS)
Date for pre-release of material:	Term 3, Week 1
Final date of submission:	30 October 2024

Candidates will produce a report. The report will provide an opportunity for candidates to demonstrate their understanding of genetic variation in relation to an identified characteristic.

The report may be written or oral. The oral report may be presented as audio or video.

Conditions of assessment

Where evidence is presented in a document, candidates are encouraged to write no more than 800 words. Where evidence is presented in audio or video format, the duration of the response should not exceed 4 minutes in total.

There is no required time allowance but a minimum of 3 hours is suggested for candidates to individually produce their report.

The use of chatbots, generative AI, paraphrasing tools, or other tools that can automatically generate content is not permitted and material generated by these tools should not be submitted as part of the candidate's work.

Authenticity

Teachers must closely supervise the process of evidence collection to ensure that candidates:

- do not copy from another person or source without appropriate acknowledgement
- do not receive guidance, scaffolding, instruction, assistance, or assessment conditions beyond what is specified as permissible in these Assessment Specifications.

Where a teacher cannot verify that the assessment submitted is the authentic work of the candidate, they must notify NZQA of a possible Candidate Breach of External Assessment.

Special Assessment Conditions

Refer to the NZQA website for further information.

[Aromatawai Special Assessment Conditions](#)

Submission requirements

Evidence may be submitted as:

- a maximum of ONE file
- ONE of the following formats:
 - a document file (PDF, DOC, DOCX)
 - an audio file (MP3, WMA)
 - a video file (AVI, M4V, MP4, MOV, WEBM, MTS)
- a maximum file size of 5GB.

Note that only these file types may be submitted, and that other file types may not be able to be marked.

Candidates should refer to [Further Guidance for Submission Responses](#) for further information.

Refer also to other resources on the subject page of NZQA website.

Further submission instructions and authenticity requirements will be provided for schools in Term 3, Week 1.

Standard:	92023
Title:	Demonstrate understanding of how the physical properties of materials inform their use
Version:	3
Number of credits:	4
Assessment timing:	Point-in-time end of year
Assessment method:	Examination
Assessment medium:	Online

Candidates will be required to demonstrate their understanding of how the physical properties of one or more specific types of materials inform its use. Candidates will be expected to respond to three questions using short / paragraph answers to discuss and compare the physical properties of different materials for a specified use. A periodic table will be provided.

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

[Digital external assessment](#)