

To be completed by candidate

NSN

School Code

SUPERVISOR'S USE ONLY

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This assessment is based on a now-expired version of the achievement standard and may not accurately reflect the content and practice of external assessments developed for 2024 onwards.

Draw a cross through the box (☒) if you have NOT written in this booklet

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91922



Mana Tohu Mātauranga o Aotearoa
New Zealand Qualifications Authority

Level 1 Science RAS 2023

91922 Describe features of science that have contributed to the development of a science idea in a local context

Credits: Five

PILOT ASSESSMENT

Achievement	Achievement with Merit	Achievement with Excellence
Describe features of science that have contributed to the development of a science idea in a local context	Explain features of science that have contributed to the development of a science idea in a local context	Examine features of science that have contributed to the development of a science idea in a local context

Enter your National Student Number (NSN) and School Code into the space above.

Make sure you have Resource Booklet 91922R.

Choose ONE science idea from the Resource Booklet to answer ALL parts of the task in this booklet.

If you need more room for any answer, use the extra space provided at the back of this booklet.

Check that this booklet has pages 2–7 in the correct order and that none of these pages is blank.

Do not write in any cross-hatched area (). This area may be cut off when the booklet is marked.

YOU MUST HAND THIS BOOKLET TO THE SUPERVISOR AT THE END OF THE EXAMINATION.

INSTRUCTIONS

This task is made up of three parts. You must answer ALL three parts.

Choose (✓) ONE science idea from the Resource Booklet to complete this assessment.

- Science Idea One: Rongoā in the treatment of type 2 diabetes
- Science Idea Two: Sampling eel (tuna) numbers in the environment

Read the information in the Resource Booklet for your chosen science idea and use it to answer ALL parts of the task.

TASK

For part (a), focus on the following features of science:

- the development of science ideas in response to new evidence or varied perspectives, such as Māori and Pacific knowledge systems
- responding to needs and opportunities.

(a) Using the information from your chosen science idea, discuss the following:

(i) How has new evidence contributed to the science idea?

(ii) What are the varied perspectives considered in the science idea?

(iii) How has a need OR opportunity led to the development of the science idea?

(iv) Give reasons why the new evidence OR varied perspectives responded to the need or opportunity in the development of the science idea.

For part (b), focus on the following features of science:

- replicable, verifiable data collection
- the attributes of the people who carry out the science such as collaboration, creativity, critical thinking, and curiosity.

(b) Using the information from your chosen science idea, discuss the following:

(i) How has the data information shown in the resource helped in the development of the science idea?

(ii) Choose (✓) one of the following attributes that people who carry out science use:

collaboration creativity critical thinking curiosity

State with a reason how this attribute has played a significant part in the development of the science idea.

(iii) Choose (✓) ANOTHER attribute that people who carry out science use:

collaboration creativity critical thinking curiosity

How has this attribute and the data collection shown in the resource interacted in the development of the science idea?

For part (c), focus on the following features of science:

- using specific language, symbols, and conventions
- the development of science ideas in response to new evidence or varied perspectives, such as Māori and Pacific knowledge systems.

(c) Using the information from your chosen science idea, discuss the following:

- (i) What are the specific language, symbols, and conventions that have been used in the development of the science idea?

- (ii) Why are specific language, symbols, and conventions important in the development of the science idea?

- (iii) In what ways has new evidence OR varied perspectives interacted with specific language, symbols, and conventions in the development of the science idea?
