

SUPERVISOR'S USE ONLY

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

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93104



931040



Mana Tohu Mātauranga o Aotearoa
New Zealand Qualifications Authority

Scholarship 2023 Earth and Space Science

Time allowed: Three hours
Total score: 24

Check that the National Student Number (NSN) on your admission slip is the same as the number at the top of this page.

You should answer ALL the questions in this booklet.

Pull out Resource Booklet 93104R from the centre of this booklet.

Show ALL working.

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 2–16 in the correct order and that none of these pages is blank.

Do not write in any cross-hatched area (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.

Question	Score
ONE	
TWO	
THREE	
TOTAL	

ASSESSOR'S USE ONLY

In your answer, include how it could be affected by climate change, and how it could be enhanced using human intervention.

In your answer, include how the information collected by geologists can help further their understanding of slow-slip events, and the difficulties with monitoring on land, and at sea.

Analyse the differences between the Earth's atmospheric cells and the bands on Jupiter. Explain why these differences occur, and how these relate to the size, rotational speed, and composition of both planets.

Extra space if required.
Write the question number(s) if applicable.

QUESTION
NUMBER

Extra space if required.
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QUESTION
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QUESTION
NUMBER

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