



For Supervisor's use only

2

90316



NEW ZEALAND QUALIFICATIONS AUTHORITY
MANA TOHU MĀTAURANGA O AOTEAROA



National Certificate of Educational Achievement
TAUMATA MĀTAURANGA Ā-MOTU KUA TAEA

Level 2 Science, 2003

90316 Describe New Zealand's geological history and processes, and the nature and life cycle of stars

Credits: Four

9.30 am Thursday 13 November 2003

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.

If you need more space for any answer, use the pages provided at the back of this booklet and clearly number the question.

Check that this booklet has pages 2–10 in the correct order and that none of these pages is blank.

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

Achievement Criteria			<i>For Assessor's use only</i>		
Achievement	Achievement with Merit	Achievement with Excellence			
Describe geological processes related to New Zealand's geological history. <input type="checkbox"/>	Explain geological processes related to New Zealand's geological history. <input type="checkbox"/>	Apply knowledge of geological processes to explain in detail New Zealand's geological history. <input type="checkbox"/>			
Describe how stars are classified and describe their life cycles. <input type="checkbox"/>	Link star types and their characteristics to their life cycles. <input type="checkbox"/>	Explain links between the nature and life cycles of stars. <input type="checkbox"/>			
Overall Level of Performance (all criteria within a column are met)					<input type="checkbox"/>

- (g) Central Otago is considered by geologists to be the remains of a peneplain.

[For copyright reasons the resources cannot be reproduced here. See below.]

Photograph:

The Rise and Fall of the Southern Alps, p 37, Glenn Coates, Canterbury University Press.

**Pollburn-Rough Ridge area, east of Cromwell
– an example of the Cretaceous peneplain**

Use features from this photograph to explain why geologists consider this area to be a peneplain.
