

For Supervisor's use only

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90463



NEW ZEALAND QUALIFICATIONS AUTHORITY
MANA TOHU MĀTAURANGA O AOTEAROA



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

Level 2 Biology, 2006

90463 Describe diversity in the structure and function of plants

Credits: Three

2.00 pm Thursday 30 November 2006

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 page(s) provided at the back of this booklet and clearly number the question.

Check that this booklet has pages 2–8 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.

For Assessor's use only		Achievement Criteria		
Achievement		Achievement with Merit		Achievement with Excellence
Describe diversity in the structure and function of plants in relation to a biological process.	<input type="checkbox"/>	Explain diversity in the structure and function of plants in relation to a biological process.	<input type="checkbox"/>	Discuss diversity in the structure and function of plants in relation to a biological process.
Overall Level of Performance				<input type="checkbox"/>

You are advised to spend 35 minutes answering the questions in this booklet.

Plants show a great diversity of structures and functions to help them carry out each biological process and be successful in their habitat.

This assessment requires you to describe diversity in the operation of a biological process in THREE different plant groups, and to discuss diversity in the structure and function between the three groups.

Select ONE of the following biological processes and **write it in the space below**.

- nutrition
- transportation of materials
- transpiration
- reproduction.

Write the name of the biological process you have selected: _____

Use this box to help you plan your answer. This will not be marked.

Describe, in general terms, the purpose of the biological process you have named above:

Name the THREE plant groups you will use in your answer. Choose plant groups that clearly show **diversity** in the structure and function for the way they carry out the biological process in their environment.

Plant group one: _____

Plant group two: _____

Plant group three: _____

QUESTION ONE

Different adaptations enable different plant groups to survive successfully in their habitats.

You are required to describe and give reasons for how your chosen biological process is carried out by your three plant groups. *You may use clearly labelled diagrams in your response.*

Name of plant group one: _____

Describe and give reasons for how your chosen biological process is carried out by this plant group.

Name of plant group two: _____

Describe and give reasons for how your chosen biological process is carried out by this plant group.

Name of plant group three: _____

Describe and give reasons for how your chosen biological process is carried out by this plant group.

QUESTION TWO

Discuss the reasons for the **diversity** in the structure and function for the biological process in your plant groups.

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**Extra paper for continuation of answers if required.
Clearly number the question.**

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Question
number