

For Supervisor's use only

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90462



NEW ZEALAND QUALIFICATIONS AUTHORITY
MANA TOHU MĀTAURANGA O AOTEAROA



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

Level 2 Biology, 2005

90462 Describe diversity in the structure and function of animals

Credits: Three
2.00 pm Tuesday 15 November 2005

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 animals in relation to a biological process.	<input type="checkbox"/>	Explain diversity in the structure and function of animals in relation to a biological process.	<input type="checkbox"/>	Discuss diversity in the structure and function of animals 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.

***All animals carry out life functions and have adaptations
to enable them to survive in their environment.***

This assessment requires you to describe diversity in the structure and function of THREE different animal groups.

You are required to select ONE of the following biological processes:

- Internal transport
- Gas exchange
- Nutrition
- Excretion
- Support and movement
- Sensitivity and co-ordination
- Reproduction

Write the name of the process you have chosen: _____

Name THREE animal groups that you will use in your answer.

Choose animals that clearly show **diversity in the structure and function** for the way they carry out the biological process you have named above.

Animal group one: _____

Animal group two: _____

Animal group three: _____

This paper has TWO questions. Question Two has TWO parts.

You should answer ALL questions.

Clearly labelled diagrams may be used as part of your answers.

QUESTION ONE

Describe in general terms the purpose of the biological process you have selected.

QUESTION TWO

(a) Compare the structure **and** function of THREE animal groups for the biological process you have described on page 2:

Name of **animal group one**: _____

Structure **and** function of animal group one.

Name of animal group two: _____

Structure **and** function of animal group two.

Name of animal group three: _____

Structure **and** function of animal group three.

(b) With respect to the environment of each animal group, evaluate why there is **diversity** in the structure **and** function for your named biological process. You may refer to your answer in part (a).

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

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Question
number