

90177



NEW ZEALAND QUALIFICATIONS AUTHORITY
MANA TOHU MĀTAURANGA O AOTEAROA

For Supervisor's use only

Level 1 Human Biology, 2007

90177 Describe maintenance of normal body functioning

Credits: Two

9.30 am Friday 23 November 2007

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.

<i>For Assessor's use only</i>		Achievement Criteria	
Achievement		Achievement with Merit	
		Achievement with Excellence	
Describe maintenance of normal body functioning.	<input type="checkbox"/>	Explain maintenance of normal body functioning.	<input type="checkbox"/>
		Discuss maintenance of normal body functioning.	<input type="checkbox"/>
Overall Level of Performance <input style="width: 40px; height: 20px;" type="text"/>			

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You are advised to spend 30 minutes answering the questions in this booklet.

QUESTION ONE

(a) Describe the function of an **endocrine gland**.

(b) (i) Describe where the **pituitary gland** is found in the body.

(ii) Name one hormone the pituitary gland produces.

(iii) Describe the function of the hormone named in (ii).

(c) Explain how increased thyroxine production affects the normal functioning of the body.

QUESTION TWOAssessor's
use only

Two early symptoms of hypothermia are shivering and a pale face.

- (a) Define the term hypothermia.

- (b) Explain how each of the TWO symptoms of hypothermia help **restore** normal body temperature.

- (1) Shivering

- (2) Pale face



