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NEW ZEALAND QUALIFICATIONS AUTHORITY
MANA TOHU MĀTAURANGA O AOTEAROA

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SUPERVISOR'S USE ONLY

Level 1 Biology, 2011

90927 Demonstrate understanding of biological ideas relating to micro-organisms

9.30 am Friday 18 November 2011

Credits: Four

Achievement	Achievement with Merit	Achievement with Excellence
Demonstrate understanding of biological ideas relating to micro-organisms.	Demonstrate in-depth understanding of biological ideas relating to micro-organisms.	Demonstrate comprehensive understanding of biological ideas relating to micro-organisms.

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 attempt ALL the questions in this booklet.

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 2–8 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.

TOTAL

ASSESSOR'S USE ONLY

QUESTION THREE: INFECTIOUS PNEUMONIA

Pneumonia is a condition in humans where the lungs become inflamed. It can occur for a wide range of reasons, but is often caused by either a viral or a bacterial infection.

The X-rays below show lungs unaffected by pneumonia (A) and lungs showing a pneumonia infection (B).



<http://en.wikipedia.org/wiki/Pneumonia>

- (a) Describe how infectious pneumonia could be passed between people.

- (b) Describe what measures could be taken to reduce the risk of spreading infectious pneumonia.
