

Achievement Standard

Subject Reference Biology 2.5

Title Describe concepts and processes relating to ecology

Level 2 **Credits** 3 **Assessment** External

Subfield Science

Domain Biology

Registration date 26 November 2004 **Date version published** 26 November 2004

This achievement standard involves describing biological concepts and processes relating to ecology.

Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<ul style="list-style-type: none"> Describe biological concepts and processes relating to ecology. 	<ul style="list-style-type: none"> Explain biological concepts and processes relating to ecology. 	<ul style="list-style-type: none"> Discuss biological concepts and processes relating to ecology.

Explanatory Notes

- This achievement standard is derived from *Biology in the New Zealand Curriculum*, Learning Media, Ministry of Education, 1994, pp. 20-26, achievement objectives 7.1(a) and 7.3(a).
- Biological concepts and processes* will be selected from:
 - adaptations, ecological niche
 - population growth, survivorship, age structure
 - succession, zonation, stratification
 - interrelationships, competition, exploitation
 - flow of energy, nutrient cycling
 - effect of environmental change on biodiversity.

3 Terms:

- Describe requires the student to define, give characteristics of, or an account of.
 - Explain requires the student to provide a reason as to how or why something occurs.
 - Discuss requires the student to show understanding by linking biological ideas. It may involve justifying, relating, evaluating, comparing and contrasting, or analysing.
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Quality Assurance

- 1 Providers and Industry Training Organisations must be accredited by the Qualifications Authority before they can register credits from assessment against achievement standards.
- 2 Accredited providers and Industry Training Organisations assessing against achievement standards must engage with the moderation system that applies to those achievement standards.

Accreditation and Moderation Action Plan (AMAP) reference

0226