

Achievement Standard

Subject Reference	Biology 1.7		
Title	Describe plant processes		
Level	1	Credits	4
		Assessment	External
Subfield	Science		
Domain	Biology		
Registration date	21 November 2003	Date version published	7 December 2005

This achievement standard involves the description of biological ideas relating to the functioning of plant processes.

Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<ul style="list-style-type: none"> Describe biological ideas relating to the functioning of plant processes. 	<ul style="list-style-type: none"> Explain biological ideas relating to the functioning of a plant process. 	<ul style="list-style-type: none"> Discuss biological ideas relating to the functioning of a plant process.

Explanatory Notes

- This achievement standard is derived from *Biology in the New Zealand Curriculum*, Learning Media, Ministry of Education, 1994, p. 14, achievement objective 6.1 (c).
- Plant processes* will be selected from asexual and sexual reproduction of flowering plants (including dispersal), germination and growth (including primary and secondary) and photosynthesis.
- Biological ideas* relating to these plant processes will be selected from:
 - structural components involved with the process(es)
 - the functioning of the structural components
 - the overall functioning of the plant process(es)
 - products or outcomes of the plant processes (including raw materials and requirements)
 - effects of environmental factors, such as light intensity, temperature, wind, moisture and oxygen, on a plant process.

4 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 students in elaborating, applying, justifying, relating, evaluating, comparing and contrasting, 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