

## Achievement Standard

<b>Subject Reference</b>	Biology 1.5		
<b>Title</b>	Demonstrate understanding of biological ideas relating to a mammal as a consumer		
<b>Level</b>	1	<b>Credits</b>	3
		<b>Assessment</b>	External
<b>Subfield</b>	Science		
<b>Domain</b>	Biology		
<b>Status</b>	Registered	<b>Status date</b>	30 November 2010
<b>Planned review date</b>	31 December 2014	<b>Date version published</b>	30 November 2010

This achievement standard involves demonstrating understanding of biological ideas relating to a mammal as a consumer.

### Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<ul style="list-style-type: none"> <li>Demonstrate understanding of biological ideas relating to a mammal as a consumer.</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrate in-depth understanding of biological ideas relating to a mammal as a consumer.</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrate comprehensive understanding of biological ideas relating to a mammal as a consumer.</li> </ul>

### Explanatory Notes

- This achievement standard is derived from *The New Zealand Curriculum*, Learning Media, Ministry of Education, 2007, Level 6. It is aligned with the Life Processes achievement objective in the Living World strand, and is related to the material in the *Teaching and Learning Guide for Biology*, Ministry of Education, 2010 at <http://seniorsecondary.tki.org.nz>.
- Demonstrate understanding* involves defining, using annotated diagrams, and giving characteristics of, or an account of, a mammal as a consumer.
- Demonstrate in-depth understanding* involves explaining the life processes and biological ideas relating to a mammal as a consumer.
- Demonstrate comprehensive understanding* involves linking biological ideas relating to a mammal as a consumer. It may involve elaborating, applying, justifying, relating, evaluating, comparing and contrasting, or analysing.

- 5 The *biological ideas* relating to a *mammal as a consumer* will be selected from:
- related life processes
  - structural components involved with the life processes
  - the functioning of the structural components
  - the overall function of the life processes.
- 6 Life processes related to a *mammal as a consumer* will be selected from:
- processing food (physical and chemical digestion, absorption, assimilation, egestion)
  - transport of products of digestion within the body (circulation)
  - use of food at the cell level (respiration).
- 7 Assessment Specifications for this achievement standard can be accessed through the Biology Resources page found at [www.nzqa.govt.nz/ncea/resources](http://www.nzqa.govt.nz/ncea/resources).
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### Quality Assurance

- 1 Providers and Industry Training Organisations must be accredited by NZQA 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

0233