

AS90716 version 2

Describe animal behaviour & plant responses in relation to environmental factors

Level 3 4 Credits

This achievement standard involves the description of animal behaviour and plant responses in relation to environmental factors.

Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
Describe animal behaviour and plant responses in relation to environmental factors.	Describe animal behaviour and plant responses in relation to environmental factors.	Describe animal behaviour and plant responses in relation to environmental factors.
	Explain animal behaviour or plant responses in relation to environmental factors.	Discuss animal behaviour or plant responses in relation to environmental factors.

Animal behaviour and plant responses will be selected from those relating to:



orientation

tropisms,

nastic responses,

taxes,

kineses,

homing,

migration.



timing

annual,

daily,

lunar,

tidal.



interspecific relationships

predation,

parasitism,

mutualism,

commensalism,

competition for resources



intraspecific relationships

territoriality,

cooperative interactions,

reproductive behaviours,

hierarchical behaviour,

competition for resources.

The relationship of environmental factors to behaviour/response may be in terms of the process involved or the adaptive significance.

Terms

- *Describe* requires the student to define, use annotated diagrams, 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 justifying, relating, evaluating, comparing and contrasting, and analysing.