

Year 11: ASK Yourself!

Subject: Biology

Unit: 7 - Variation and evolution

	Launching 1-2	Developing 3-4	Progressing 5-6	Mastering 7-9
S kills				
	Recall that the theory of evolution was developed independently by Darwin and Wallace. Identify reasons why evolution was not, to begin with, accepted.	Explain the features used to develop evolutionary trees. Can use graphs to explain how new predators, competitors and diseases can lead to extinctions.	Understand the mechanism of genetic variation. Explain the evidence for the occurrence of evolution and natural selection.	Evaluate circumstances that may lead to another mass extinction. Explain how environmental change operating with natural selection leads to the evolution of a new species.
K nowledge				
	Identify the causes of extinction. Recall early ideas about evolution.	Recall and use the classification system developed by Linnaeus. Describe how natural selection leads to a struggle for existence. Describe how variation contributes to an organism's survival.	Describe how new species, predators and competitors can lead to extinction. Identify the reasons why genetics and evolution were not linked until the twentieth century.	Explain how the scientific work of many scientists contributed to the gene theory.