

Lesson	Know	Apply	Extend
10.3.1 Natural selection	I can state how survival rates differ for successful adaptation. <input type="checkbox"/>	I can describe the process of natural selection. <input type="checkbox"/>	I can explain how natural selection leads to evolution. <input type="checkbox"/>
	I can state that organisms have changed over time, giving examples. <input type="checkbox"/>	I can describe how organisms evolve over time. <input type="checkbox"/>	I can explain how scientists know that organisms have changed over time. <input type="checkbox"/>
	I can create a simple evolutionary sequence. <input type="checkbox"/>	I can create an evolutionary family tree, justifying the route chosen in the tree. <input type="checkbox"/>	I can create an evolutionary family tree, and present reasoned arguments to justify the structure of the tree. <input type="checkbox"/>
10.3.2 Charles Darwin	I can state what is meant by peer review. <input type="checkbox"/>	I can describe the process of peer review. <input type="checkbox"/>	I can explain the importance of peer review to scientists. <input type="checkbox"/>
	I can name the process by which organisms evolve. <input type="checkbox"/>	I can describe the evidence that Darwin used to develop his theory of natural selection. <input type="checkbox"/>	I can explain how Darwin used the evidence from finches to develop his theory of natural selection and evolution. <input type="checkbox"/>
10.3.3 Extinction	I can state what is meant by the term extinct. <input type="checkbox"/>	I can describe some factors that may lead to extinction. <input type="checkbox"/>	I can explain some factors that may have led to extinction. <input type="checkbox"/>
	I can state what is meant by biodiversity. <input type="checkbox"/>	I can use examples to describe the difference between an area of high biodiversity and an area of low biodiversity. <input type="checkbox"/>	I can explain how a lack of biodiversity can affect an ecosystem. <input type="checkbox"/>
	I can extract information from scientific text about a possible theory for dinosaur extinction. <input type="checkbox"/>	I can interpret evidence provided in scientific texts to explain the most likely theory for dinosaur extinction. <input type="checkbox"/>	I can interpret evidence provided in a range of scientific texts to explain the most likely theory for dinosaur extinction. <input type="checkbox"/>
10.3.4 Preserving biodiversity	I can state what is meant by an endangered species. <input type="checkbox"/>	I can describe what is meant by captive breeding. <input type="checkbox"/>	I can explain some of the advantages and disadvantages of captive breeding. <input type="checkbox"/>

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	I can name one way of protecting endangered species. <input type="checkbox"/>	I can describe some techniques used to prevent extinction. <input type="checkbox"/>	I can explain how the techniques used to prevent extinction work. <input type="checkbox"/>
	I can identify simple patterns in data. <input type="checkbox"/>	I can use data from a graph to describe the effect of Project Tiger on the local tiger population. <input type="checkbox"/>	I can link ideas given in the text to explain data presented in a graph. <input type="checkbox"/>