

Marking Rubric

Outcome	0	1	2	3	4
I can identify examples of niches and describe the role of variation in enabling closely related living things to survive in the same ecosystem	Not Done	- All species niches are not explained fully or with many errors - All species adaptations are not explained fully or with many errors	- All species niches are explained briefly or with a few errors - All species adaptations are explained briefly or with a few errors	- All species niches are explained - All species adaptations are explained	- All species niches are explained in detail - All species adaptations are explained in detail
I can investigate and interpret dependencies among species that link the survival of one to the survival of others	Not Done	- Examples of all symbiotic relationships are provided but with errors - How populations of species effect each other is not explained or done so with errors	- Examples of all symbiotic relationships are provided - How populations of species effect each other is explain briefly or with a few errors	- Examples of all symbiotic relationships are provided - How populations of species effect each other is explain	- Examples of all symbiotic relationships are provided and explained - How populations of species effect each other is explain in detail
I can identify the role of variation in species survival under changing environmental conditions	Not Done	- Darwin's theory of Natural Selection is used to incorrectly or incompletely explain the need for variation in a species.	- Darwin's theory of Natural Selection is used to briefly explain the need for variation in a species.	- Darwin's theory of Natural Selection is used to explain the need for variation in a species.	- Darwin's theory of Natural Selection is used to explain the need for variation in a species. - Nature versus nurture is included in the explanation in detail.
I can describe examples of organisms that show both sexual and asexual reproduction	Not Done	Only a few species in the project are described as reproducing sexually or asexually.	Most species in the project are described as reproducing sexually or asexually.	All species in the project are described as reproducing sexually or asexually.	All species in the project are described in detail as reproducing sexually or asexually.
I can identify and describe characteristics that are heritable, those that are not heritable and those where heredity and the environment both play a role	Not Done	- Dalton's theory of Natural Selection is not fully used and explained for species as they evolved - how traits develop in a species is explained incorrectly or incompletely	- Dalton's theory of Natural Selection is used and briefly explained for each species as it evolved - how traits develop in a species is explained	- Dalton's theory of Natural Selection is used and explained for each species as it evolved, - how traits develop in a species is explained	- Dalton's theory of Natural Selection is used and explained for each species as it evolved, - how traits develop in a species is explained in detail with reasons why

<p>I can compare asexual and sexual reproduction in terms of advantages and disadvantages</p>	<p>Not Done</p>	<p>Species in the project that reproduce sexually or asexually are not compared over time, which is more successful is not stated and or explain</p>	<p>Species in the project that reproduce sexually or asexually are compared over time, which is more successful is stated and explain briefly</p>	<p>Species in the project that reproduce sexually or asexually are compared over time, which is more successful is stated and explain</p>	<p>Species in the project that reproduce sexually or asexually are compared over time, which is more successful is stated and explain in detail</p>
<p>I can describe the relative abundance of species on earth and in different environments</p>	<p>Not Done</p>	<p>- There is little variety in the ecosystems on the continent and they are not explained or are unclear. - There is little biological diversity included in each ecosystem</p>	<p>- There is variety in the ecosystems that are on the continent and they are explained briefly. - There is some biological diversity is included in each ecosystem</p>	<p>- A variety of ecosystems are on the continent and are explained. - A proper amount of biological diversity is included in each ecosystem</p>	<p>- A variety of ecosystems are on the continent and are explained in detail - A proper amount of biological diversity is included in each ecosystem, reason why for each species are explain in detail.</p>
<p>I can describe ongoing changes in biological diversity through extinction and extirpation and the role of environmental factors causing these changes</p>	<p>Not Done</p>	<p>- few species are included that become, threatened, endangered, extirpated or extinct with no reasons why explained</p>	<p>- a few species are included that become, threatened, endangered, extirpated or extinct with reasons why explained</p>	<p>- Numerous species are included that become, threatened, endangered, extirpated or extinct with reasons why explained</p>	<p>- Numerous species are included that become, threatened, endangered, extirpated or extinct with reasons why explained in detail.</p>