

Marking Rubric

| Outcome | 0 | 1 | 2 | 3 | 4 |
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| 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 | <ul style="list-style-type: none"> - All species niches are not explained fully or with many errors - All species adaptations are not explained fully or with many errors | <ul style="list-style-type: none"> - All species niches are explained briefly or with a few errors - All species adaptations are explained briefly or with a few errors | <ul style="list-style-type: none"> - All species niches are explained - All species adaptations are explained | <ul style="list-style-type: none"> - 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 | <ul style="list-style-type: none"> - 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 | <ul style="list-style-type: none"> - Examples of all symbiotic relationships are provided - How populations of species effect each other is explain briefly or with a few errors | <ul style="list-style-type: none"> - Examples of all symbiotic relationships are provided - How populations of species effect each other is explain | <ul style="list-style-type: none"> - 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 | <ul style="list-style-type: none"> - Darwin's theory of Natural Selection is used to incorrectly or incompletely explain the need for variation in a species. | <ul style="list-style-type: none"> - Darwin's theory of Natural Selection is used to briefly explain the need for variation in a species. | <ul style="list-style-type: none"> - Darwin's theory of Natural Selection is used to explain the need for variation in a species. | <ul style="list-style-type: none"> - 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 | <ul style="list-style-type: none"> Only a few species in the project are described as reproducing sexually or asexually. | <ul style="list-style-type: none"> Most species in the project are described as reproducing sexually or asexually. | <ul style="list-style-type: none"> All species in the project are described as reproducing sexually or asexually. | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> - 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 | <ul style="list-style-type: none"> - 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 | <ul style="list-style-type: none"> - Dalton's theory of Natural Selection is used and explained for each species as it evolved, - how traits develop in a species is explained | <ul style="list-style-type: none"> - 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 |

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| <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> |