

Island of Species

Island of Choice: _____ Group Members: _____

Abiotic and Biotic Components of Island:

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Characteristics of rats in general:

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What foods are available on your island?	What predators exist on your island?

Sketch of island (and surrounding area) showing geography and other features (abiotic and biotic components)



Sketch of your rat	Adaptations your rat has

Islands and Species Guided Inquiry Project - Marking Scheme

<p>Map of Island</p> <ul style="list-style-type: none"> ➤ Effort is apparent and is neatly drawn, coloured and matches description of assigned island. ➤ Geography and other features (abiotic/biotic) are shown ➤ Types of food are listed (typed) ➤ Types of predators are listed (typed) ➤ Title ➤ Legend (colour coded symbols and typed) ➤ Compass Rose 	/40
<p>Drawing of Rat</p> <ul style="list-style-type: none"> ★ Effort in sketch is apparent. Sketch is neatly drawn and coloured ★ Sketch is labeled or clearly indicates features of adaptations 	/30
<p>Question #1</p> <ul style="list-style-type: none"> → A comparison of ancestral and adapted rat characteristics is included → The comparisons are complete and thorough → The comparisons are clear and neatly organized 	/10
<p>Question #2</p> <ul style="list-style-type: none"> ❖ All adapted traits are accounted for in the question ❖ All traits are clearly explained as to how they help the rat survive in its environment 	/10
<p>Question #3</p> <ul style="list-style-type: none"> ● The possible path for one adaptation is clearly explained ● Adaptation path is reasonable and agrees to environment 	/10
<p>Question #4</p> <ul style="list-style-type: none"> ➤ Discussion of rat's survival on an alternate island is clearly explained and agrees to adapted traits of rat ➤ Understanding of the passing on of alleles is evident in student answer 	/10
<p>Overall Grade</p>	/110

Presented on Poster Paper

Class Presentation (all members of group)