

Station G Which rat will survive?

Design a rat that will have a body equipped for survival on ONE of these islands.

Written Observation and Notes: Describe your rat and how it survives on the island

Detailed Drawing: Use your imagination and draw your rat on your lab sheet. Label the rat's body parts to describe how it helps the rat survive on its island.

Island A

This island is very flat with sandy soil and cacti. Rain and the inside of the cactus plants are the only source of water for the rats. Rain occurs only 2 times each year in huge storms. There are two sources of food for the rats, insects and very small fish. A lot of insects can be found on the beaches living in the wet sand. Fish are found in the shallows of a protective reef surrounding the island. The only predators are larger fish in the reef.

Island B

This island is made of a volcano. The volcanic rock is very sharp and uneven from the shoreline to the top of the volcano. Stubby woody shrubs are the only vegetation found on the island. A large bird species makes nests on the islands on the steep slopes of the volcano. The bird lays 5 eggs at a time and eats mostly fish and rats. The water surrounding the island is inhabited by sharks. Fresh water can be easily found in the cracks and crevices of the rocks.

Island C

This island is constantly wet. Rain falls on this island for all but two hours a day. The center of the island has tall trees that cause darkness on the forest floor. There are lots of other animals on this island including large cats. Birds of prey and a giant tortoise also populate this island. Many plants and fruit trees cover the entire island. Five streams with small fish can be found running from the center of the island to the beaches. The streams contain crayfish and freshwater crabs.