Greeting the Galapagos Goats

Name:_____

Part 1: Activating Prior Knowledge

In the space below, bullet 5 or more facts that you have learned about non-native (invasive) species over the past couple of days.

Part 2: The Galapagos Goats & Tortoises:

Read the journal entry from Dr. Betsy Jackson. Answer the questions below.

*What kind of consumers are the tortoises? Explain.

*What kind of consumers are goats? Explain.

*What problem does this cause to both species?

*Who is to blame for this problem? Why? Describe the connection to the species of the week we have been studying.

* How did the introduction of the goat affect the tortoise? Explain thoroughly.

* How else could the goats affect the island ecosystem? What other organisms/species are involved? Describe the problem the goats are causing for the finches.

*Describe any long-term effect for the Island of Isabela. Why is Isabela in greater danger than the other islands in the Galapagos?
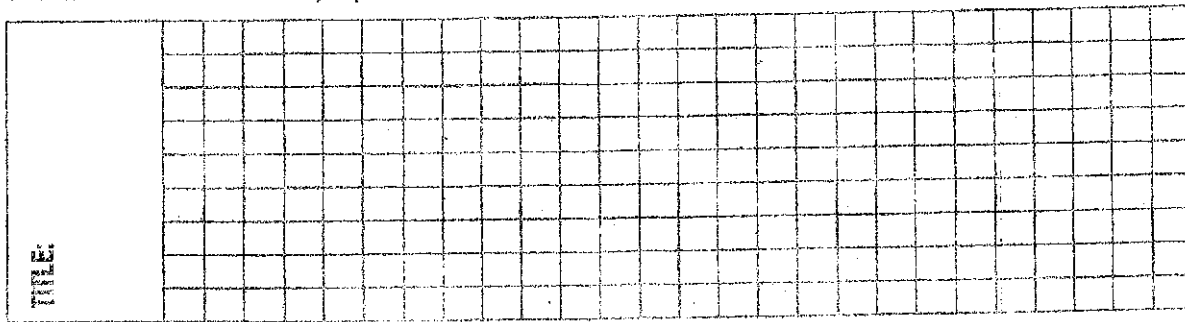
Non-Native Invasion: Goats vs Finches

Initial Analysis:
Describe the appearance of the island:

Data Collection:

	COLOR	# Tree/bush nests	# Ground Nests	# of Finches	# of Goats
In the beginning					1
End of Round 1					
2					
3					
4					

Graph: Create a double line graph of the finch and goat population over time. Be sure to label your axes and create a key! (HINT: Turn your paper sideways!) ☺

Reflection:

1. What was the impact of having the goat population double each round? **Describe** what this modeled!

2. Why was the goat told to close his/her eyes? **Explain** the significance of them not being able to see?

3. Were any birds destroyed directly? **Why or why not?** Were any of the tree nests truly destroyed? **Why or why not?**

4. How did the goats affect the finches **indirectly?**

5. How did the goats directly affect the appearance of the island? (HINT: refer to your initial description of the island!)