



Designer Island



Direction Sheet


Background:

On our planet, there are many companies, corporations, and private businessmen who develop land for our use. These people search for parcels of land on Earth with which the human species has had little to no interaction. They consider uses for the land that would attract people – as a permanent living or tourist situation – that would make money for the developer. Once an idea is developed and designed, the construction begins! Islands are perfect locations since we, as a species, enjoy the beach and the ocean.

Your Role:

You are the owners of a large building company. It is your job to locate and purchase large areas of land that can be developed in a way that is financially beneficial. You have just purchased your own island! You must now create a community on that island that will attract residents and tourists!

Your Task:

- 1) Obtain an island map from your teacher.
- 2) Decide on the layout of your new development! Remember, your goal is to make the very best island. The one that will attract the most residents and tourists to your island so that you can make the most money!
 - a. Remember to keep in mind the **NEEDS** of the community – what must be there in order for people to survive? Create your list of **NEEDS** on scratch paper.
 - b. Remember to keep in mind the **WANTS** of the people – what developments would attract people to the island? Create your list of **WANTS** on scratch paper.
 - c. Create symbols for each need and want. Example: a house, 
 - d. Place all of your symbols onto your map in the location(s) that you choose! Consider the shoreline and land features that are present. Remember, your goal is to make the very **BEST** island possible! 😊
 - e. Create a key for you symbols on your map sheet.
- 3) Justify the layout of your development. *Record on your worksheet!*
- 4) Obtain an overhead copy of the forest map from your teacher.
- 5) Overlay the overhead onto your development
- 6) Observe the habitat destruction that has occurred by your company. *Record on your worksheet!*
- 7) Analyze your destruction and answer the conclusion questions that follow.
- 8) Read "A Forest Full then Free of Trees"....respond to the prompts that follow on your worksheet.



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REFLECTIONS

Name: _____

Justification of Development:

Be sure to explain WHY you placed everything in the location you did! WHY did you build WHAT you did WHERE you did? How do your locations make life convenient for humans? Etc.

Observation of Destruction:

Record the plants and animals affected by the construction of your community. Reflect back on your knowledge of plant life, animal life, food chains, and ecosystem balance. How did the destruction of one organism affect others? Etc.

Conclusion Questions:

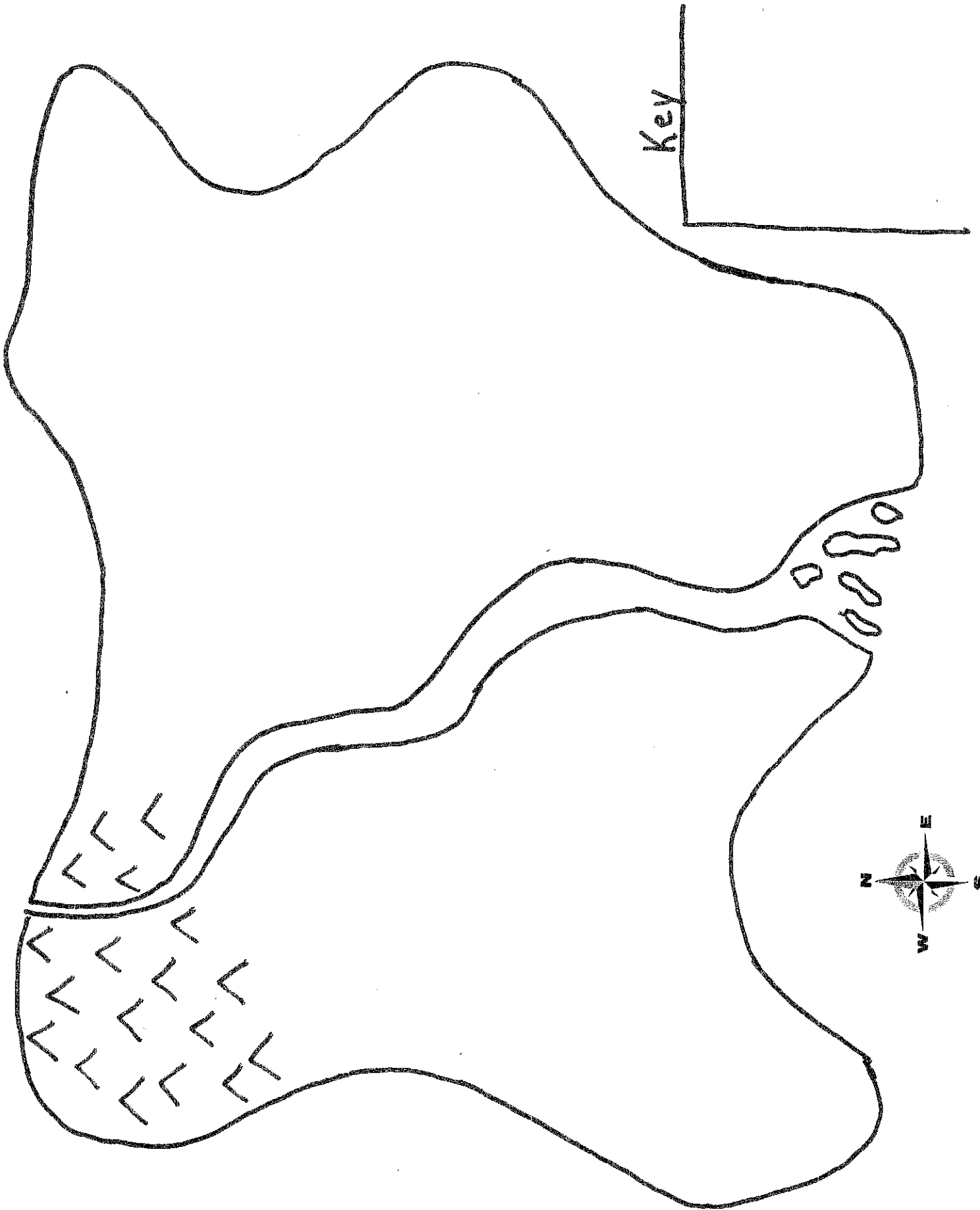
1. What occurred during this activity (human actions and the consequences)?
2. Describe the positive and negative impact humans had on the environment and its wildlife.
3. After observing the damage you caused to the island, are there any structures that you do not think were really necessary. Explain.
4. Propose what, if anything, the developers could have done differently to decrease the negative and increase the positive consequences for the wildlife.
5. Think about Chandler: in what ways have the communities destroyed and enhanced the wildlife?



A Forest Full then Free of Trees



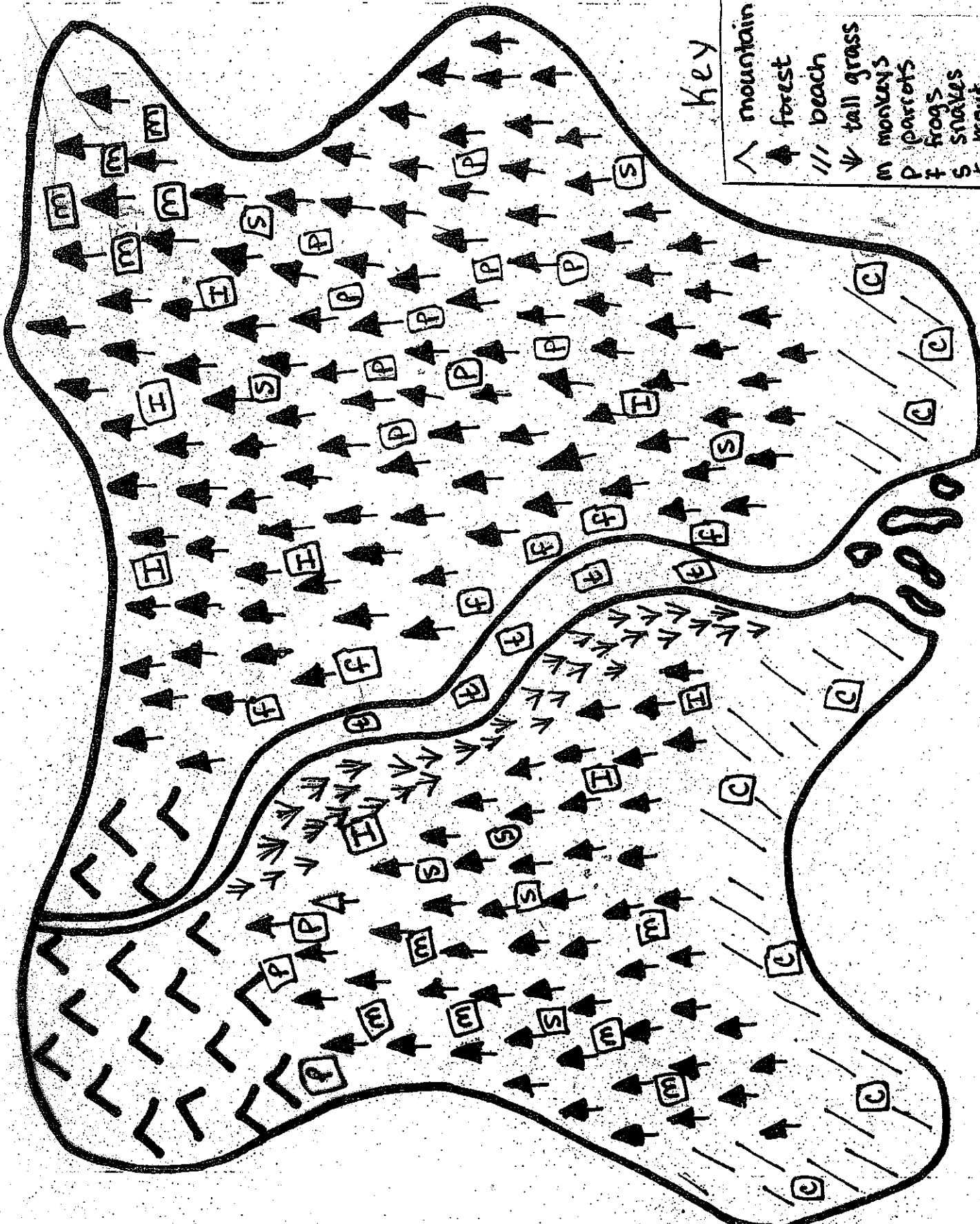
Reflections – write a conclusion summary from the Designer Island activity and this short reading!



Overlay

key

- ^ mountain
- ▲ forest
- /// beach
- ↘ tall grass
- M monkeys
- P parrots
- F frogs
- S snakes
- T trout
- C crabs
- I insects





A Forest Full then Free of Trees



The Human Impact:

The Forests: Forests are biomes on our planet that are abundant with wildlife. Many species of trees and animals call forests "home". Forests can be comprised of coniferous and deciduous trees; they are be filled with animals and insects that depend on the trees for food and shelter.

The Human Species: Throughout our existence, humans have turned to the forests for a variety of reasons. We have used them for pleasure: hunting and camping. We have used them as resources: medicinal and building materials. We have used them as sanctuaries: as inspiration for writing and an escape from "city life".

The Reality: As our human population grows, we turn to the forests more and more to meet our own needs. We cut and use trees for building supplies. We cut and use trees for paper and food supplies. We cut trees to build on the land. Whenever an area of land is cleared and paved as a housing development, shopping center, or other human need, other species lose their habitat and food sources. This destruction of the forests ultimately affects the entire food chain and ecosystem.