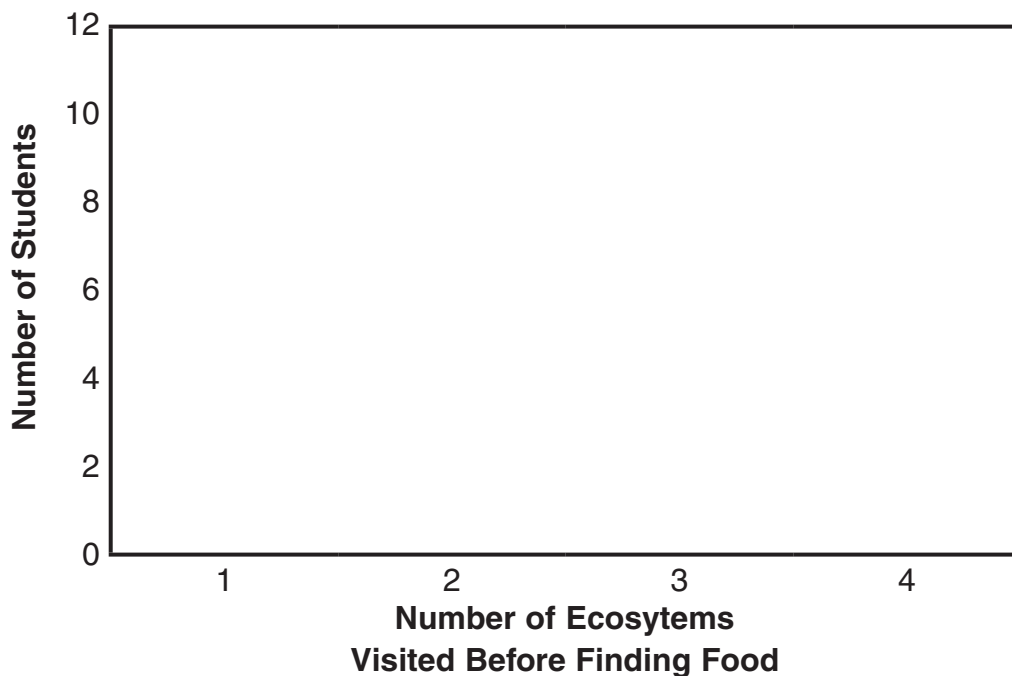


Name _____ Date _____

Competition

Procedure

- 1. Use Variables** Your teacher will set up four model ecosystems represented by plates covered with sheets of paper. Some plates contain many pretzels, some contain few pretzels, and some contain no pretzels.
- 2. Use Models** Stand in the center of the room. When your teacher says “Go,” choose an ecosystem and walk to it.
Safety: Do not run or push others.
- 3.** Peek under the paper. If there is a pretzel, take the pretzel and stand by the ecosystem. If there are no pretzels, move on to another ecosystem.
- 4.** Repeat step 3 until you find a pretzel.
- 5. Use Numbers** Make a bar graph. The graph should show how many ecosystems each student visited before finding food.



Name _____ Date _____

Conclusion

1. **Compare** How many ecosystems did most people visit before they found food? Why?

2. **Predict** How might an organism be affected if the food in its ecosystem were eaten by other organisms?

Experiment

Guided Inquiry

Take away several pretzels, then repeat the activity. Think of ways that each student could still get some food. **Communicate** your ideas with your classmates.
