

Name:
Class Period:
Date:

After lab questions: These questions should be written up on separate paper as homework.

- 1) Graph the population size of each species over time on one set of axes, using a different color for each species.
- 2) How high did your deer population need to be before the pumas could sustain themselves?
- 3) If all the space on the board were filled with grass, what would the limiting factor for the deer population be?
- 4) Under what conditions do the pumas go extinct? If your pumas went extinct, use your data to explain this with numbers.
- 5) What happened to the grass population as the puma population grew? Use your data to explain this with numbers?
- 6) What might happen if we suddenly added 20 deer? What would happen to the grass population and what would happen to the puma population?
- 7) Thinking about the Zion National Park example from your homework, what might happen if we added humans to the game? Please explain what would happen to each population, the pumas, deer, and grass.