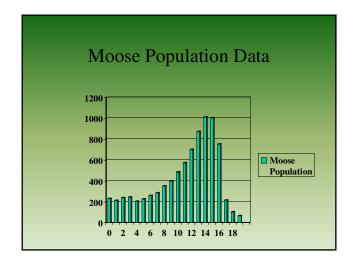


Ioose	e Popu	ılatio	n Dat
Year	Moose P>	Year	Moose P>
0	232	10	486
1	215	11	575
2	241	12	702
3	245	13	873
4	205	14	1012
5	229	15	1006
6	260	16	752
7	285	17	216
8	353	18	105
9	401	19	67

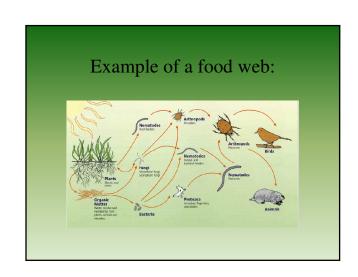


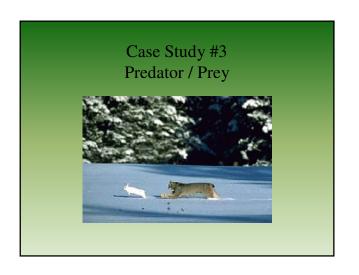
Moose Population Analysis Questions

- 1. Describe the pattern in the population of moose over the 20 yrs.
- 2. Hypothesize what caused the changes in the population numbers.
- 3. Define carrying capacity. What is the carrying capacity of this island?
- 4. What are the effects of overpopulation?
- 5. Hypothesize what will happen to the population over the next 10 years.

Case Study #2 The Ripple Effect

- 1. Devise a food web for Yellowstone National Park.
- 2. Make an argument: Explain the importance of wolves in Yellowstone national park.
 - Write an expository paragraph or series of paragraphs to provide evidence





Lynx and Hare Data from Hudson Bay Company Pop of Hare Year Year Pop of Lynx

Lynx Hare Population Analysis Questions

- 1. Describe the patterns in the populations of lynx and Hare.
- 2. Identify any sections of the graph that shows a correlation between the two populations.
- 3. Hypothesize why the Hare population increases and why it decreases.
- 4. Hypothesize why the Lynx population increases and why it decreases.
- 5. Scientists rarely do direct counts of every individual in a population. This population data is based on pelt numbers collected by a trading outpost of the Hudson Bay Company.

 Do you think it is accurate to make an inference on the overall population size based on trapping numbers. Why? Why not?

