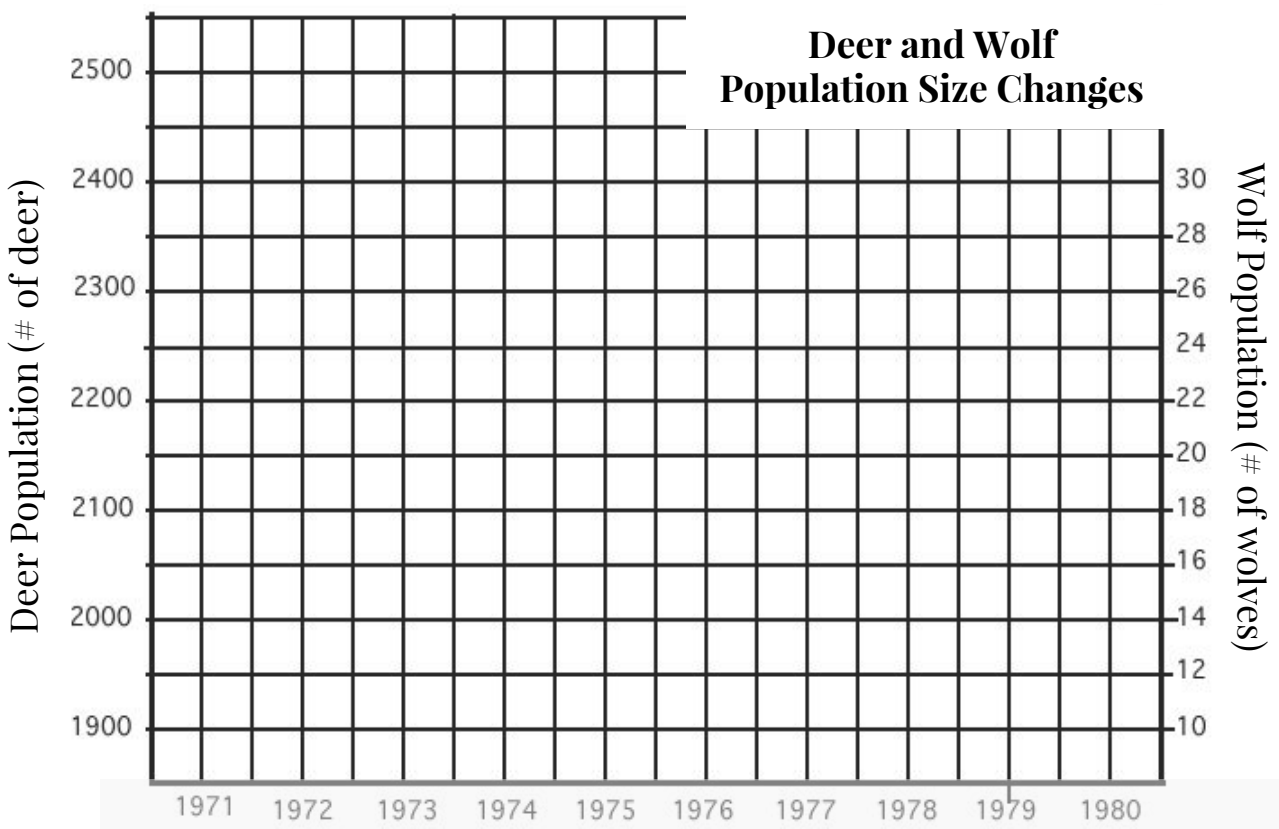
Name _____ **Class** _____ º **Group #** _____

Graphing Predation

How do predator and prey populations affect each other?

Directions: Plot deer and wolf **populations** in the pre-labeled graph below. Use the information from the table on the right. ----------➳ (Choose one color for wolves and a different color for deer.)



Year	Population *Wolf*	Population *Deer*	Deer Population Change
1971	10	2000	+300
1972	12	2300	+200
1973	16	2500	-140
1974	22	2360	-116
1975	28	2224	-150
1976	24	2094	+298
1977	21	1968	+340
1978	18	1916	+430
1979	19	1952	+412
1980	19	1972	+422

Directions: Using the graph you plotted, answer these questions:

1. Describe what change happened in the deer and wolf populations between 1971 and 1980.

2. The wolves and deer populations above live on an island. If ***no deer*** lived on the island, what do you think would happen to the wolves? What evidence in the graph makes you think this?

3. If ***no wolves*** lived on the island, do you think the deer population would: *(choose one)*
   ___ increase,
   ___ decrease,
   ___ stay the same?

   Explain your answer using two pieces of evidence from our graph.

   Evidence # 1:

   Evidence #2:

Need more time? Save this sheet in your folder for our next class.