**Environmental Science Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Review**

**Wild Life Populations Period\_\_\_\_\_\_\_**

1). Compare the biotic potential of mice to the biotic potential of coyotes. Why are there

always more mice than coyotes?

2) Under what kinds of conditions in nature do we expect to see exponential growth. Give

Examples to illustrate your answer. Draw and label a graph of this process.

3) Name and describe as many factors as you can that can cause an elk population to fluctuate.

4) Define the term “carrying capacity”. Explain the general pattern of population growth expected under conditions of limited resources. Draw and label a graph of this process.

5) Name three Density Independent and three Density Dependent Factors that might affect an elk population.

6) Explain how an r-strategist and a k-strategist differ in the way they attempt to propagate

their species. Give an example of each.

7). Why does a species rarely meet their Biotic Potential?

8). Name and describe the three types of population dispersion we discussed in class.

9). Describe and give an example of Intraspecific competition.

10). Describe and give an example of Interspecific competition.

11) List 3 pros and 3 cons of allowing wolves into Yellowstone.