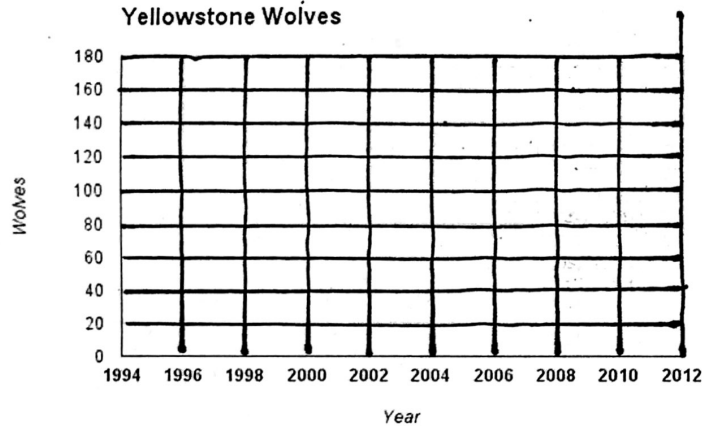


Name: _____

Date: _____

African Lions: Modeling Populations Assessment

1. When Yellowstone National Park was created in the late 1800s, wolves were on the decline. The last wolves in Yellowstone were killed in 1926, but in the 1800s, there were between 100-160 wolves in the park. In 1995, gray wolves were *reintroduced* to the park. Using what you know about populations, predict the growth of the wolves on the graph below.



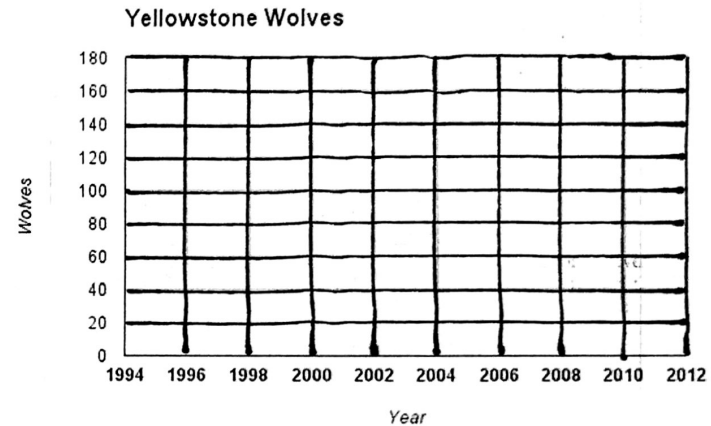
2. How would you describe this type of growth? _____
3. List three density-dependent limiting factors that could slow population growth
 - a.
 - b.
 - c.
4. Populations stabilize at _____, the maximum number of individuals an environment can support.
5. In logistic growth, where is competition for resources highest?
6. Are there any wild populations that undergo endless population growth? Why/why not? Are humans different? Use the back if necessary.

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