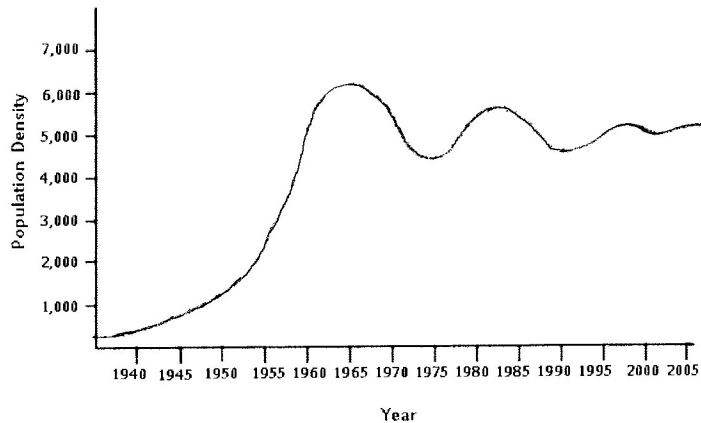


Name _____ per _____ Date _____ S# _____

Populations

1. What is a population?
2. What is population density?
3. What are limiting factors? Provide some examples
4. What is carrying capacity?
5. Organisms that feed at lower trophic levels tend to have greater population densities than organisms that feed at higher trophic levels. Why is this?
6. While elephants are primary consumers, their carrying capacity is much lower than for other primary consumers. Explain why this might be.
7. What effect would a natural disaster like a fire have on the carrying capacity of an ecosystem?

Examine the graph below use it to answer questions 8 – 12.



8. During which years does the birthrate exceed the death rate?
9. During which years does the death rate exceed the birth rate?
10. During which years is the population at or approaching the carrying capacity?
11. What is the carrying capacity of this population