Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Chapter 5 Review Sheet**

1. What is a population?
2. List the three major characteristics of a population.
3. What is geographic distribution?
4. What is another name for geographic distribution?
5. What is the population density?
6. What is growth rate?
7. What are the three factors that can affect population size?
8. What is immigration?
9. List 2 reasons why immigration might occur.
10. What is emigration?
11. List 2 reasons why emigration might occur.
12. Under ideal conditions with unlimited resources, a population will grow \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
13. True or False: Exponential growth in nature can continue for very long periods of time.
14. When does logistic growth occur?
15. What is the carrying capacity?
16. What is a limiting factor?
17. A limiting factor that **depends** on population size is called density-\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ limiting factors.
18. List 4 examples of a density dependent limiting factor.
19. True or False: Density dependent limiting factors do not affect small, scattered populations greatly.
20. When populations become \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ organisms compete for food, \_\_\_\_\_\_\_\_\_\_\_\_\_, space, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and other essentials.
21. True or False: Competition only occurs between members of the same species.
22. The regulation of a population by predation takes places within a \_\_\_\_\_\_\_\_\_\_\_\_\_-\_\_\_\_\_\_\_\_\_\_\_\_\_ relationship.
23. What are the 2 populations that are constantly changing on Isle Royale?
24. What is a parasite?
25. Density - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ limiting factors affect all populations in similar ways regardless of the population size.
26. List 4 examples of density-independent factors.
27. For most of human existence, the population grew \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
28. About 500 years ago, the human population began to growing more \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
29. Around 500 years ago, life was made easier by improvements in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
30. Death rates in the human population were dramatically reduced due to improvements in 3 areas. What are they?
31. What is demography?
32. What has occurred to the population growth in the US, Japan, and Europe over the past century?
33. What is a demographic transition?
34. **List** and **describe** the 3 stages of a demographic transition?
35. What does an age structure diagram show?
36. Using an age-structure diagram, explain why the US will experience a slow but steady growth rates for the near future.
37. Using an age-structure diagram, explain why Rwanda’s population will double in about 30 years.
38. Ecologists suggest that if growth does not slow down, there could be serious damage to the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and global \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
39. Label the following two graphs as either **exponential** or **logistic** growth

