

CHAPTER REVIEWChapter **6****Changes in Ecosystems****I. Vocabulary Review**

If the underscored word or phrase makes the sentence true, write "TRUE" in the space provided. If the underscored word or phrase makes the sentence false, write the correct term or phrase in the space provided.

- _____ 1. Sulfur oxides from incomplete burning of fossil fuels mix with water vapor to produce hydrocarbons.
- _____ 2. The highest rate of reproduction under ideal conditions is known as the carrying capacity.
- _____ 3. A population experiencing exponential growth is described by a J-shaped growth curve.
- _____ 4. Succession slows down when a pioneer community is reached.
- _____ 5. The largest number of individuals an environment can support is the biotic potential.

II. Concept Review

In the blank at the left, write the letter of the choice that best completes the statement.

- _____ 11. If limited resources reduce the population of rabbits, the population of their predators will _____.
a. increase
b. increase after an interval
c. decrease
d. stay the same
- _____ 12. As yeast use up sugar, they change their environment by producing alcohol, making the environment more suitable for bacteria. This is an example of _____.
a. predation
b. interspecific competition
c. limiting factors
d. succession
- _____ 13. Secondary succession occurs faster than primary succession because _____.
a. seeds are present and soils are fertile
b. there is less competition
c. the community is stable
d. all of the above

Answer the following questions in phrases or complete sentences.

14. In human populations, do natural mechanisms regulate population density? _____
- _____
- _____

Chapter Review 6 (continued)

15. How did DDT get into the food chain and why were the effects on large fish-eating birds so dramatic? _____

16. What are some factors that make a weed, such as a dandelion, successful? _____

III. Skills/Process Review

Use Figure 1 to answer the following questions in the space provided. Use each graph only once.

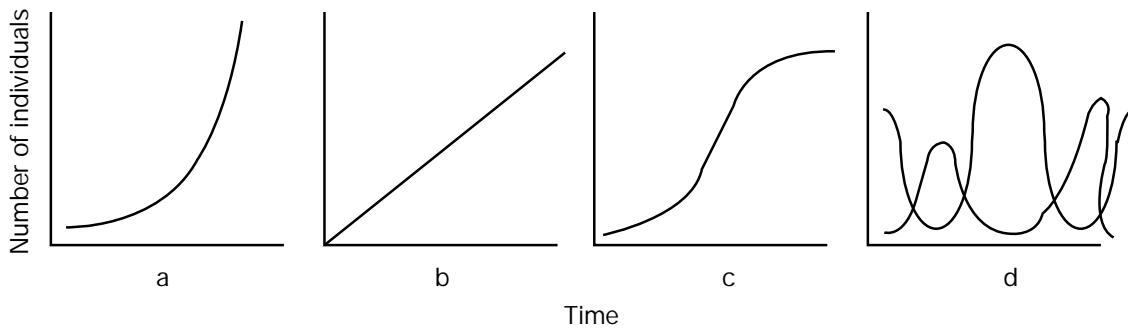


Figure 1

- _____ 17. Which graph illustrates exponential population growth?
- _____ 18. Which graph shows the population has reached the largest number of individuals the environment can support?
- _____ 19. Which graph illustrates accumulated savings of the same amount each week?
- _____ 20. Which graph shows how predator and prey populations regulate each other?

IV. Feature Review

21. **Science and Society: Can Natural Wetlands Be Created Artificially?** Why did the citizens of Arcata, California want to create an artificial wetland? Can it duplicate a natural wetland?
