

CHAPTER REVIEW

Chapter 11

Ecology

I. Vocabulary Review

Circle the word or phrase that does NOT belong in each group of words.

1. bacteria, trees, fungi, decomposer, mold
2. prairie, habitat, underwater caves, niche, desert canyon
3. same species, community, same habitat, population
4. adaptations, rotting tree stump, ecosystem, polar regions, cities
5. vegetarians, producers, food chain, nitrogen cycle, consumers
6. sunlight, limiting factors, competition, photosynthesis, predators

II. Concept 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.

- _____ 7. The arrows in Figure 1 show nitrogen returning to the atmosphere.
- _____ 8. The poster shown in Figure 2 shows concern for the levels of oxygen and carbon dioxide in Earth's atmosphere.
- _____ 9. Energy from the sun is stored by plants in the form of sugar.
- _____ 10. Animals that live at higher altitudes must be adapted to limiting factors such as low light levels.
- _____ 11. Organisms can share the same habitat by having slightly different roles in the community.
- _____ 12. Animals get nitrogen needed to build proteins by eating either plants or animals that have eaten plants.

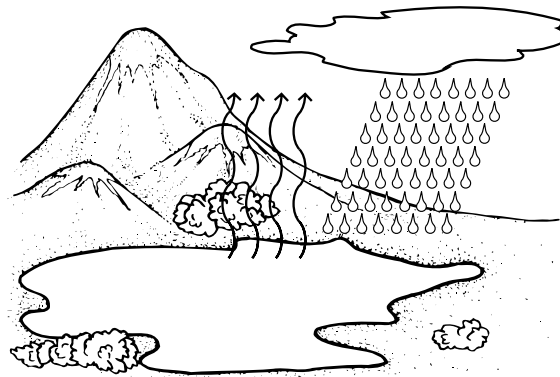


FIGURE 1



FIGURE 2

Chapter Review 11 (continued)

- _____ 13. When two organisms try to fill the same niche, a predator-prey relationship results.
- _____ 14. A population is made up of several species.
- _____ 15. Because zebras, wildebeests, and gazelles feed on different parts of the same grasses, they can share the same niche.

III. Skills/Process Review

Producers	Consumers	Decomposers
a.	b.	c.
d.	e.	f.
g.	h.	i.

16. Complete the table above by placing the following organisms in the appropriate boxes: barrel cactus, bat, bracket fungi, daylily, mold, poison ivy, slug, soil bacteria, termite.

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

- _____ 17. The producers shown in the table are NOT _____.
a. organisms that make their own food **c.** able to utilize energy from the sun
b. at the beginning of the food chain **d.** predators
- _____ 18. Part of the niche occupied by the decomposers in the table is _____.
a. rotting tree stump **c.** breaking down dead organisms
b. moist, shady areas **d.** eating seeds
- _____ 19. Energy from the sun _____.
a. decreases with each level of the food chain
b. is concentrated with successive transfers through the food chain
c. is passed from producer to consumer to decomposer
d. is lost during photosynthesis

IV. EYV Review

20. **Science and Society: Saving Chesapeake Bay** Explain why the breeding population of ospreys in Chesapeake Bay decreased during the 1950s to the early 1970s. _____
