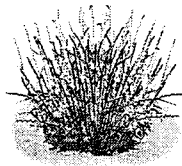


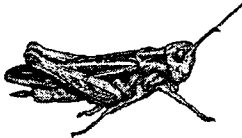
Section 1.2 Review (Alternative Version)

A consumer is an organism that feeds on / is relied on / cooperates with other organisms.

5. Complete the diagram of the energy exchange at each trophic level.



bunchgrass
2543 energy units



grasshopper

$$2543 \times 0.10 =$$



spotted frog

$$___ \times 0.10 =$$



red-tailed hawk

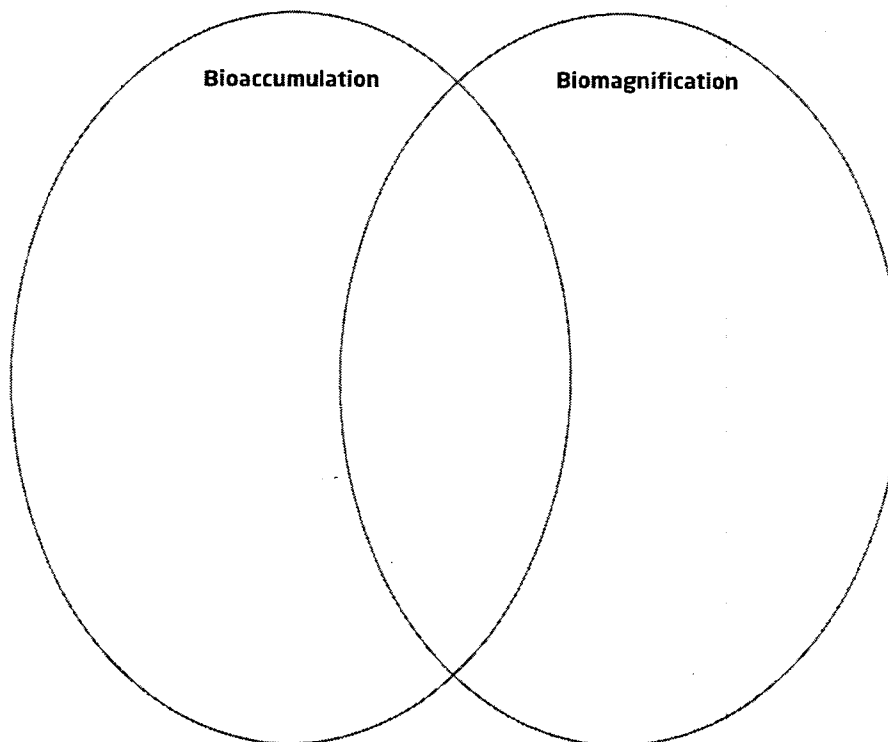
$$___ \times 0.10 =$$

6. What happens to the energy that does not move up to the next trophic level? Select an explanation.

☐ The energy is used by the organism for bodily functions and for wastes.

☐ The energy is stored until to be used by another organism later.

7. Complete the Venn diagram contrasting bioaccumulation and biomagnification.



CHAPTER 2
ASSESSMENT**BLM 2-13****Matching Nutrient Terms****Goal** • Assess your knowledge of terms related to the carbon and nitrogen cycles.**What to Do**

Match each description in column A with the correct term in column B. Place the letter for the term on the line beside the description.

A	B
____ 1. process in which carbon dioxide, water, and energy from the Sun are converted into carbohydrates and oxygen	(a) denitrification
____ 2. term that describes the living components of an ecosystem	(b) nitrogen fixation
____ 3. mixture of elements, such as N, P, and K, that can help to enrich soil	(c) biotic
____ 4. process in which an environment is maintained and the negative effects of human activities are reduced	(d) photosynthesis
____ 5. term that describes the non-living components of an ecosystem	(e) abiotic
____ 6. explosion of an aquatic population resulting from high levels of nitrogen	(f) respiration
____ 7. time when large amounts of carbon were deposited beneath sediment that later became rock	(g) fertilizer
____ 8. process in which nitrogen gas is converted into a form that organisms are able to absorb	(h) acid precipitation
____ 9. process in which nitrates are converted into nitrogen gas	(i) eutrophication
____ 10. buildup of nutrients that threaten the health of an aquatic ecosystem	(j) algal bloom
____ 11. substance that is formed when nitrogen-containing gases, from industrial smokestacks and car exhausts, mix with water	(k) sustainability
____ 12. process that occurs in a cell's mitochondrion and breaks down carbohydrates into useful energy	(l) Carboniferous Period