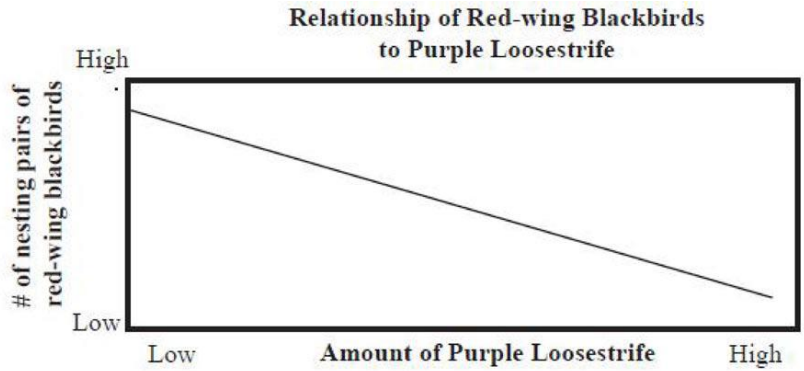


Unit 1 Study Guide



1. Using the graph above, describe the relationship between Purple Loosestrife and Red-Wing Blackbirds.
2. What do the arrows in a food web and a food chain represent?
3. List reasons why populations may increase or decrease.
4. Place the words from the word bank into each level of the biosphere.
Consider each word for all three levels of the biosphere.

biotic	organic	abiotic	organism
populations	species	community	

Ecosystem

Community

Population

5. What is the difference between a biotic substance and an abiotic substance?

6. What is a predator?

7. What is a prey?

8. What is symbiosis?

9. Describe the following relationships:
 - a. Mutualism-

 - b. Commensalism-

 - c. Parasitism-

 - d. Competition-

10. How does a producer get its energy?

11. How does a decomposer get its energy?

12. How does a scavenger get its energy?