Class_____

Skills Worksheet

Critical Thinking

Work-Alikes

In the space provided, write the letter of the phrase that best describes how each numbered item functions.

1.	carrying capacity	a. a ballroom dance
2.	coevolution	b. the bully who takes your lunch money
		c. a perfect performance
3.1	3. symbiosis	d. weight limit for a bridge
4. 1	niche	e. keeping up with the "Joneses"
5.	competitive exclusion	

Cause and Effect

In the space provided, write the letter of the term or phrase that best matches each cause or effect given below.

Cause	Effect	
6. sustained high birthrate		a. disease can wipe out a population
7. density-dependent factor		b. mutualistic symbiosis
Q		c. more sunlight is obtained
8	exponential growth is limited	d. population approaching carrying capacity
9	both species benefit	e. exponential growth
10. density-		f. herbivory
independent factors		g. small populations may not survive drought or fire
11	plants evolve toxic compounds	
12. orchids grow high in tree branches		

Class Date

Critical Thinking *continued*

Trade-Offs

In the space provided, write the letter of the bad news item that best matches each numbered good news item below.

Good News

- _____ 13. Parasites do not usually kill their prey.
- _____14. Many plants are protected from herbivores by defensive chemicals.
- _____ 15. Predators are efficient at catching prey.
- 16. Keystone species maintain a healthy ecosystem.

Bad News

- a. Without them, it would collapse.
- b. Some animals can break them down.
- c. The host is usually harmed.
- d. Some animals have evolved escape mechanisms.

Linkages

In the spaces provided, write the letters of the two terms or phrases that are linked together by the term in the middle. The choices can be placed in any order.

17. _____ exponential growth _____ a. predator b. a group of organisms of the 18. _____ population _____ same species c. high birthrate 19. _____ coevolution _____ d. live together in one place at one time 20. host e. parasite f. carrying capacity 21. _____ competitive exclusion _____ g. one is eliminated h. one is harmed i. shared niche

j. prey

Critical Thinking continued

Analogies

An analogy is a relationship between two pairs of terms or phrases written as a : b :: c : d. The symbol : is read as "is to," and the symbol :: is read as "as." In the space provided, write the letter of the pair of terms that best completes the analogy shown.

- _ 22. high birthrate : exponential growth ::
 - a. emigration : death rate
 - b. low death rate : logistic growth
 - c. low birthrate : small population
 - d. immigration : birthrate
- _ 23. predators : prey ::
 - a. orchids : trees
 - b. hosts : parasites
 - c. herbivores : plants
 - d. cleaner shrimp : fish
- ____ 24. potential competitors : divided resources ::
 - a. beavers : dams
 - b. warblers : spruce trees
 - c. sea otters : kelp forests
 - d. large predators : zebras