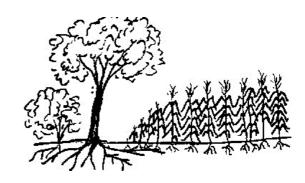
3 5	Name
Plants a	nd Ecology_
1. What protice and abiotic factors do p	plants need?
	nts to help them grow bigger and better?
ferflixers	\wedge
3. What is the main element in it?	
This is called a limiting factor: A fa	ctor that constrains the productivity of an area.
	limiting factor is no longer limited? It is now in
abundance? (think) compe	
5. List in order the organization of life	(rovious)
organism -> pop -> co	(review) monunity > e cosystem > biosphe bioticabio
0.900	O postic/apio
6. What is the niche of a plant?	sducer(Oz, tood)
7. Draw a forest food chain with 4 tro	phic levels.
8. What two things are passed thro	ugh the chain? (Nevgy nutrent
9. Complete the energy pyramid belo	w by placing your food chain you created above into
it.	
If the plant has 450,000KJ of energy, how	Food Web Energy Pyramid
much is passed on?	Ne 450
	Non Sua
	Grac Crac
Complete the boxes by putting in the	45,000
amount of energy that each trophic leve	grasshop per
has available.	450,000
10:2000	*/
10. What 2 things does the pyramid	CON
represent? Food Chain (Pass	ing ox E
•	

11. What do plants do in an ecosystem compete for?

pace, whiteun

12. What do animals compete for?

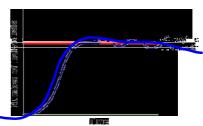


Sometimes a new area becomes available for organisms to live (ex. Reef, after a volcano, clear cutting a forest, a fish tank).

13. When organisms, naturally, begin to settle into the new area, what type of growth will they exhibit?



14. Will the new organism be able to sustain this growth indefinitely? What will then happen?



This natural balance is called carrying capacity.

15. What factors affect the carrying capacity of a fox?



Sometimes the population of a coconut trees is dependent upon the density (how many) coconut trees live in an area.

16. Give an example of a density-dependent factor that affects



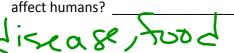
Sometimes an event will affect the coconut trees and that event will be completely independent of the population (density) of the trees.



17. Give an example of a density independent factor that might affect the population of coconut trees.

18. Give an example of a density dependent and independent factor that might affect a fox in a forest ecosystem.

19. Give an example of a density dependent factor that might





20. Density independent factor that might affect humans?

disasters

Analyze the population pyramids below.

