Name	Class	Date

Skills Worksheet

Critical Thinking

ANALOGIES

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

1. humans : food ::	6. meat : food from plants ::
a. prey : predators	a. concentrated nutrients :
b. cars : gasoline	low production costs
c. proteins : carbohydrates	b. large land area : high
d. fish : water	energy demand
2. manure : chemical fertilizers :: a. sprinklers : ditches b. pesticides : weeds	c. low nutritional value : low consumer costd. high consumer cost : concentrated nutrients
c. mule : tractor	7. amino acids : proteins ::
d. fertilizing : plowing	a. legumes : nitrogen
	b. sugars : carbohydrates
3. wild animals: livestock::	c. fatty acids : fish
a. meat : factory farming	d. vitamins : calories
b. fishing : aquaculture	
c. farmland : forest	8. drought : famine ::
d. compost : sustainable	a. war : unequal food
agriculture	distribution
1 land degradation.	b. subsistence farming : yield
4. land degradation : desertification ::	c. monocropping : high yield
	d. efficiency : green revolution
a. crops : soil fertilityb. farming : grazing	9. earthworms: soil aeration::
c. topsoil : plowing	a. clay: chemical weathering
d. erosion : topsoil loss	b. rhizobium bacteria :
u. crosion , topson loss	nitrogen fixation
5. breeding : genetic	c. menhaden : commercial
engineering ::	fishing
a. farming : arable land	d. crops : integrated pest
b. terracing : topsoil	management
c. manure : chemical	management
fertilizer	10. irrigation : salinization ::
d. ruminants : plant	a. pesticide resistance :
material	evolution
	b. insects : growth regulation
	c. no-till farming : soil

conservation

d. overgrazing : desertification

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С	ritical Thinking continued		
INI	ERPRETING OBSERVATIONS		
pas	nd the following passage, and a sage, keep in mind that wild p crop plants.	•	-
	Before the advent of large- problems with insects and the modern system of singl land are devoted to growin another term for single-cro and reproduction of plant responding against these of	crop disease. These e-crop farming in v g one crop only. Mo op farming—exped parasites and redu	e problems stem from which large areas of onocropping— ites the adaptation
11.	Why would planting large area adaptation and reproduction of	O	p plant expedite the
	How does single-crop farming naturally against the insects the		es of plants to respond

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AGREE OR DISAGREE		
Agree or disagree with the follow	ing statements, and	support your answer.
13. If we develop salt-tolerant pla irrigation.	ints, we may be able	to use ocean water for crop
14. Political and economic probles in determining whether people	_	ortant than agriculture yields
15. It would be better to engineer pesticides.	pest resistant crops	s than to rely on chemical
16. The green revolution made it and produce a surplus to sell.	possible for subsiste	ence farmers to grow more

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Critical Thinking continued		
REFINING CONCEPTS	t	donatou din e of concento
The statements below challeng covered in the chapter. Think ca		
17. Explain how biological pes chemical insecticides kill m	t control can kill only t	the target pest while
18. Explain why the heavy use	of chemical insecticide	es in agriculture makes it
necessary to regularly deve	lop new insecticides.	
19. Explain how political probl	_	ortant than agricultural
yields in determining wheth	ner people go hungry.	
20. Describe two farming pract	ices that can help redu	ice soil erosion by water.