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."

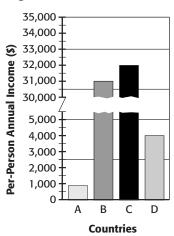
1. Industrial Revolution :	5. ecological footprint : land ::
Agricultural Revolution ::	a. developed nation :
a. animal muscle: fossil	consumption
fuels	b. developing nation :
b. hunters : gatherers	consumption
c. agricultural revolution :	c. grazing : forest products
hunter-gatherers	d. land : ocean
d. hunter-gatherers :	
population growth	6. supply : demand ::
	a. overpopulation :
2. pollution : health effects ::	resources
a. industrial : revolution	b. renewable : nonrenewable
b. cyanide : smog	c. computer production :
c. extinction : biodiversity	sales of computers
d. automobiles : exhaust	d. population : consumption
3. environmental science :	7. commons : overgrazing ::
biology ::	a. Earth : resources
a. botany : zoology	b. short-term interests :
b. biology : zoology	long-term interests
c. zoology : geology	c. individual lands :
d. social sciences :	sustainability
chemistry	d. individuals : society
4. renewable resource :	8. biodegradable :
nonrenewable resource ::	nonbiodegradable ::
a. iron : water	a. pollutant : toxin
b. trees : sunlight	b. plastic : newspaper
c. water : trees	c. cotton : polyester
d. trees : oil	d. mercury : lead
	v

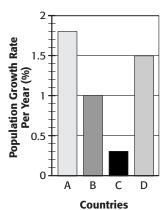
INTERPRETING OBSERVATIONS

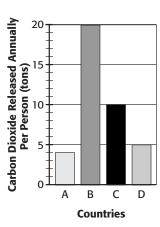
Read the following scenario, and answer the questions that follow.

Four students are given the assignment of classifying countries as developing or developed. Each student gathers the following information for one nation: per-person annual income, population growth rate, and tons of carbon dioxide produced by fossil fuels. The students compile their results in bar graphs.

Figure 1







- **9.** Which country or countries would you classify as developing? Describe your reasoning.
- **10.** Which country or countries are likely to have the highest rates of energy consumption? Explain your answer.
- 11. Which country is most likely the United States? How can you tell?

Name	Class	Date
Critical Thinking continued		
AGREE OR DISAGREE Agree or disagree with the fo	•	
12. Because large-scale speci history, we should not be		red throughout Earth's current high extinction rate.
13. Growing populations do where food resources are		onmental problems in areas
14. Most people from develo different from those of m		

Name	Class	Date
Critical Thinking continued		
REFINING CONCEPTS		
The statements below challenge covered in the chapter. Think ca	-	
15. The "ecological footprint" of times larger than that of a country this is the case?	f a citizen of a develor	ped nation is about four
16. If you could travel in time to actions would you initiate to	_	· · · · · · · · · · · · · · · · · · ·
17. Solutions to complex enviror or other affected groups mig	ht perform a cost-bene	efit analysis to determine
whether the benefits of the c might the results of a cost-be citizen, a company CEO, and overseeing major improvement	enefit analysis be interp I a city manager who n	preted differently by a local

Name	Class	Date
Critical Thinking continue	ed	
	a "closed system," how doe blems? How does this relate	es that shape the outcome to local or regional environ-
one of the following the loss of biodiversity. Di	hree major categories: resou iscuss how the issue is being ciated with "The Tragedy of	our community that fits into arce depletion, pollution, or g addressed, and whether or the Commons" are affecting