(1)			
Name Chi   J	Class	Date	
Skills Worksheet		•	

## **Concept Review**

## MATCHING

In the space provided, write the letter description.	r of the term	or phrase	that best	matches	the
1. ground-level ozone		<b>a.</b> pr	rimary po	llutant	

<b>2.</b> scrubber	
<b>3.</b> radon gas	
4. nitrogen oxides	
<b>5.</b> decreased pH	

- \_\_\_\_\_ **6.** possible long-term effect of air pollution
- **7.** necessary to control acid precipitation
- **8.** atmospheric condition trapping pollution
- 9. possible short-term effect of air pollution10. possible long-term effect of

noise pollution

- **b.** secondary pollutant
- c. indoor air pollution
- d. pollution control
- e. acid precipitation
- f. temperature inversion
- g. lung cancer
- h. deafness
- i. international agreement
- j. nausea

## **MULTIPLE CHOICE**

In the space provided, write the letter of the term or phrase that best completes each statement or best answers each question.

- \_\_\_\_\_11. Which of the following is an example of a primary pollutant?
  - a. ground-level ozone
  - **b.** soot from smoke
  - c. radon
  - **d.** All of the above

- **12.** Which of the following would be a potential cause of sick-building syndrome?
  - a. acid precipitation
  - **b.** smog
  - **c.** fungi
  - **d.** all of the above

Name	Class	Date
Concept Review continue	d	
bers, and electricipitators are example.  a. technologies sick-building b. technologies counteract the acid precipital aquatic ecosystem.  c. technologies ture radon gased technologies trol pollution.  14. During a temper inversion,  a. sulfur oxides gen oxides convater in the counters are put the pH of was conversed growth.	ostatic pre- kamples of used to treat syndrome. used to ne effects of ation on ystems. used to cap- as. used to con- nemissions. rature s and nitro- ombine with atmosphere. acidic water id change in atter.	
ozone decre <b>d.</b> pollutants ar near Earth's	re trapped	lake.  c. the area in which the lake is located suffers from
of acid precipit  a. an increase i  soil and wat  b. the death of  plants and a  c. the destruct	ation? in the pH of er aquatic nimals ion of cal-	acid precipitation.  d. higher than average sulfur oxide levels in the atmosphere.  20. Acid precipitation is formed when a. sulfur oxides or nitrogen oxides combine with
cium carbon ing materials d. a change in soil chemist16. High blood pre	s the balance of ry ssure and	water.  b. sulfur oxides combine with nitrogen oxides. c. ozone combines with automobile exhaust. d. nitric or sulfuric acids
stress are both health effects l <b>a.</b> smog. <b>b.</b> air pollution <b>c.</b> light pollution	inked to	combine with ozone.

**d.** noise pollution.

Name _	12-1	Class	Date
Assess	z 2		
MATCH In the s			ohrase that best matches
	1. have no emissions fror gasoline	rom tailpipes	<ul><li>a. primary pollutant</li><li>b. ZEVs</li></ul>
	2. results from chemics sunlight, air, exhaust		<ul><li>c. smog</li><li>d. temperature inversion</li></ul>
	<b>3.</b> scrubbers and electric help industries meet this	rostatic precipitators the requirements of	e. Clean Air Act f. sea-coal
	4. put directly into the	air by human activity	
	<b>5.</b> a source of air pollutimes	tion before modern	
	<b>6.</b> atmospheric condition pollution near the gr		
In the s	PLE CHOICE  pace provided, write the  atement or best answers	_	ohrase that best completes
	<ul><li>7. Which is a secondary air pollutant?</li><li>a. ozone</li><li>b. carbon monoxide</li><li>c. particulate matter</li><li>d. nitrogen oxides</li></ul>		Which device helps clean car exhaust?  a. electrostatic precipitator b. scrubber c. catalytic converter d. ZEV
	<ul> <li>8. Volatile organic com</li> <li>a. are tiny particles or solid matter.</li> <li>b. are produced by organic interactions between fur and oxygen.</li> <li>c. are an odorless, organic poisonous gas.</li> <li>d. are organic chemic that form toxic further toxic f</li></ul>	of liquid chemical reen sul- colorless icals	Which pair below are the two main sources of air pollution in urban areas?  a. vehicles, volcanoes  b. vehicles, industries  c. industries, agriculture  d. none of the above

essment) Class	Date
11Z 12-2	
tion: Air, Noise, and Light Pollution: HING space provided, write the letter of the term or	
<ol> <li>causes stress, high blood pressure, hearing loss</li> <li>solutions include shielding, time controls, and low-pressure sodium sources</li> <li>emphysema, lung cancer, heart disease</li> <li>can occur in tightly sealed buildings</li> <li>sources include plastics, carpets, cleaning fluids, radon, and asbestos</li> <li>headache, eye irritation, coughing, bronchitis</li> </ol>	<ul> <li>a. indoor air pollution</li> <li>b. sick-building syndror</li> <li>c. light pollution</li> <li>d. noise pollution</li> <li>e. long-term effects of a pollution</li> <li>f. short-term effects of pollution</li> </ul>
pollutant?  a. carbon monoxide  b. formaldehyde  c. nitrogen oxides  d. radon  8. Which is not part of    correcting sick-building    syndrome?  a. removing sources of    indoor air pollution	<ul> <li>a. Years of research link pollution to lung disea</li> <li>b. Air pollution is commodisted as a cause of dec. None of the health efform of air pollution are reversible.</li> <li>d. Healthy adults are modificated by air pollution.</li> <li>v. Which air pollutant scars the lungs?</li> <li>a. asbestos</li> <li>b. radon</li> <li>c. fungi</li> </ul>

12 3		
Name 12-)	Class	Date
Assessment		
<b>Quiz</b> 12-3		
Section: Acid Precipitation MATCHING In the space provided, write the let		or phrase that best matches
he description.		
1. measure of how acidic of	or basic a	a. acid precipitation
substance is		<b>b.</b> acid shock
<b>2.</b> an effect of acid precipi soil and water	tation on	<b>c.</b> acidification <b>d.</b> pH
3. addresses acid precipita falling downwind of sou	LIOII	<b>e.</b> Canada-U.S. Air Quality Agreement
4. caused by gases from fo		<b>f.</b> released by soil that is too acidic
5. aluminum		
6. occurs most often in the	espring	
MULTIPLE CHOICE		
In the space provided, write the let each statement or best answers each		or phrase that best completes
<ul> <li>7. Which has not been link to acid precipitation?</li> <li>a. toxic metal poisoning</li> <li>b. lower blood pH</li> <li>c. respiratory problems</li> <li>d. damaged monuments</li> <li>8. Which is a cause of acid precipitation?</li> <li>a. sulfur and nitrogen oxides</li> <li>b. carbonic acid</li> <li>c. high pH in rainfall</li> <li>d. acid shock</li> </ul>	5	<ul> <li>9. Which is <i>not</i> an effect of acid precipitation on aquatic ecosystems?</li> <li>a. death of animals and plants</li> <li>b. lower reproduction rates</li> <li>c. suffocation of fish</li> <li>d. increased growth of algae</li> <li>10. Precipitation is considered acid if its pH is</li> <li>a. above 7.0.</li> <li>b. above 5.0.</li> <li>c. below 5.0.</li> <li>d. below 5.6.</li> </ul>

Name Chi Do 14 Clas	
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## Skills Worksheet Concept Review

ion.  1. damaged rangeland	<b>a.</b> infrastructure
i. damaged rangerand	<b>b.</b> urbanization
2. protected land	c. deforestation
3. purified water	d. rural
4. bridges	e. wilderness
5. low population density	f. ecosystem services
	g. overgrazing
6. development	<b>h.</b> human uses of land
7. clear-cutting	
8. rangeland and urban land	
pace provided, write the letter of the	
<ul> <li>pace provided, write the letter of the stion or completes the sentence.</li> <li>9. Land that contains relatively few is considered</li> <li>a. rural.</li> <li>b. urban.</li> <li>c. suburban.</li> </ul>	
is considered <b>a.</b> rural. <b>b.</b> urban.	people and large areas of open

Name	Class Date
Concep	ot Review continued
12	2. A heat island can
	a. affect weather patterns over a city.
	<b>b.</b> reduce the average temperatures in a city.
	c. absorb less heat than vegetation.
	<b>d.</b> have a lower temperature than the surrounding countryside.
13	3. Tree harvesting methods include
	a. selective cutting.
	<b>b.</b> reforestation.
	c. clear-cutting.
	d. Both (a) and (c)
14	. A fire station is an example of
	a. infrastructure.
	<b>b.</b> suburbanization.
	c. land-use planning.
	<b>d.</b> renovation.
15	• Which of the following is <i>not</i> a method of preventing overgrazing?
	a. limiting herd size
	<b>b.</b> rotating the breed of cattle
	c. removing herds to allow vegetation to recover
	d. replanting native vegetation
16	<b>5.</b> Which of the following is $not$ an environmental benefit of open spaces?
	a. moderation of temperatures
	<b>b.</b> absorption of rainwater runoff
	c. provision of aesthetic value
	<b>d.</b> source of lumber for homes
17	7. Which of the following is a benefit of preserving farmland?
	<b>a.</b> prime locations for home sites
	<b>b.</b> soil erosion protection
	c. productive land for growing crops
	d. a greenbelt for crowded urban areas
18	3. Which of the following uses the largest amount of land in the United
	States?
	a. forestland
	<b>b.</b> rangeland and pasture
	c. cropland
	<b>d.</b> parks and preserves

Name _	14-1	Class	Date
Asse Qu	ssment)		
VIATC	space provided, write the let	ter of the term or pl	rrase that best matches the  a. urban land
	resulted in major popularural areas to urban area  2. land that is used to graze	ation shifts from as	<ul><li>b. ecosystem services</li><li>c. rangeland</li><li>d. rural land</li></ul>
	wildlife  3. land used for recreation ment, and for preserving and plant communities a	and scenic enjoy- g native animal	<ul><li>e. forestland</li><li>f. cropland</li><li>g. parks and preserves</li></ul>
	<ul><li>4. land used for harvesting fish, nuts, and other reso</li><li>5. relatively few people and</li></ul>	wood, wildlife, ources	<b>h.</b> Industrial Revolution
	open space  6. buildings, roads, houses,	Ť	
	<ul><li>7. land used to grow plants</li><li>8. resources produced by n cial ecosystems</li></ul>		
the s	PLE CHOICE space provided, write the lette atement or best answers eac	er of the term or ph h question.	rase that best completes
	<ul><li>9. Why did most people live</li><li>a. Most people depended</li><li>b. Most people depended</li><li>c. Most people depended</li><li>d. Most people worked in</li></ul>	d upon agriculture. d upon mining. d upon hunting.	ore 1850?
***************************************	<ul><li>10. The area of rural land ne</li><li>a. climate.</li><li>b. occupant's standard of</li><li>c. efficient use of resour</li><li>d. All of the above</li></ul>	f living.	e person depends upon

Name14-2	Class	Date
Assessment Quiz		
Section: Urban Land Use		
n the space provided, write the letter description.	of the term	or phrase that best matches the
1. roads, sewers, transportat tems, schools, and hospita	-	<ul><li>a. urbanization</li><li>b. infrastructure</li></ul>
2. increased temperature in a to generated and trapped l	-	<ul><li>c. urban sprawl</li><li>d. heat island</li></ul>
<b>3.</b> computerized system for s manipulating, and viewing graphic data		<ul><li>e. land-use planning</li><li>f. geographic information system</li></ul>
4. advanced decisions about land will be used	how	
5. movement of people from areas to cities	rural	
<b>6.</b> rapid expansion of a city i surrounding countryside	nto the	
MULTIPLE CHOICE In the space provided, write the letter each statement or best answers each		n or phrase that best completes
are possible with <b>a.</b> GPN.	c.	of sewer lines, roads, and parks MAP. GIS.
<ul><li>b. TOPO.</li><li>8. An area prone to landslide</li><li>a. rangeland.</li><li>b. open space.</li></ul>	es is an exa c.	
<ul><li>9. Cities suffering from urbana.</li><li>a. traffic jams.</li><li>b. substandard housing.</li></ul>	c.	y have . polluted air and water. . All of the above
rainwater runoff, and adds  a. green spaces b. storm sewers	s aesthetic v c.	noderates temperature, controls value? . public transportation . fountains

Name 14-3 Class	Date
QUIZ Section: Land Management and Conservation MATCHING The space provided, write the letter of the term or phrase that best matches the	
<ol> <li>an area protected from exploitation</li> <li>Wyoming, Montana, and 1870</li> <li>allowing more animals to graze in an area than the area can support</li> <li>planting trees to replace those cut down in a forest land</li> <li>clearing trees from an area without replacing them</li> <li>strips of protected land that connect one preserve to another preserve</li> </ol>	<ul> <li>a. overgrazing</li> <li>b. deforestation</li> <li>c. reforestation</li> <li>d. wilderness</li> <li>e. Yellowstone</li> <li>f. conservation corridor</li> </ul>
<ul> <li>7. Why is it important to preserve farmland</li> <li>a. It provides an important oxygen source</li> <li>b. It moderates the temperature of urbance</li> <li>c. It provides crops and fruits to support</li> <li>d. all of the above</li> </ul>	l? ce for urban areas. n areas.
	gging one large water hole lling invasive plants

**b.** soil erosion

a. fishing gear

b. hiking gear

a. reduction in wildlife habitat

**10.** Which items would *not* be allowed in a wilderness area?

**c.** loss of topsoil

d. camping gear

**c.** jet skis

**d.** re-establishment of trees