Chapter 20 Test
Multiple Choice
Identify the choice that best completes the statement or answers the question.

 1.	Which of the following pathogens have made	a cro	ss-species transfer to humans?		
	a. influenza virus	c.	West Nile virus		
	b. hantavirus	d.	All of the above		
 2.	Which of the following pollutants is caused by	poo	r sanitation and can lead to gastrointestinal infections?		
	a. bacteria in food	c.	lead in water		
	b. pesticides in food	d.	particulate matter in water		
 3.	Dust storms, volcanoes, and wildfires are all				
	a. causes of pollution due to human activities	S.			
	b. natural events that do not cause pollution.				
	c. causes of pollution people can control.				
	d. natural causes of pollution.				
 4.	Air pollution is a major health problem caused	l by t	he burning of fuels in		
	a. vehicles.	c.	power plants and factories.		
	b. home furnaces.	d.	All of the above		
 5.	Much of the pollution in the environment is a	resul	t of		
	a. the use of too much water.				
	b. the use of landfills.				
	c. inadequate waste disposal.				
	d. newer pollution-control devices used at factors.	ctori	es.		
 6.	Each year, most of the cases of organophospha	ate p	oisoning occur in people who are		
	a. applying the chemical to crops.				
	b. eating fruit and vegetables with chemical i				
	c. inhaling the chemical while working in ga		tions.		
	d. working in factories with various chemica				
 7.	Worldwide, nearly three-fourths of infectious	disea			
	a. water.	c.			
	b. air.		people.		
 8.	Which of the following is an environmental change that scientists believe may increase the areas where malaria				
	occurs?		Andready a first trace		
	a. draining wetlandsb. soil erosion		destroying habitats global warming		
0		d.			
 9.	Human immune deficiency virus is considered				
	a. had been controlled until recently.		developed from two other viruses. has become resistant to antibiotics.		
10	b. was previously unknown.				
 10.			ele exhaust, burning waste, fires, and tobacco smoke?		
	a. particulate matterb. lead		coal dust pesticides		
1.1			•		
 11.	Two diseases that can be caused directly by po				
	a. measles and tuberculosis.	c.	cholera and river blindness. colds and flu.		
10	b. lead poisoning and lung cancer.	d.	colds and fid.		
 12.	Toxicology is the study of the harmful effects		nollutoute on the environment		
	a. substances on organisms.	C.	pollutants on the environment. antibiotics on viruses.		
1.2	b. viruses on organisms.	d.			
 13.	,	pide	illiology to try to find		
	a. the origin of the disease.				
	b. how to prevent the disease from spreading				
	c. how to prevent the disease from spreadingd. All of the above	•			
1.4			ous to health when they are		
 14.	Naturally occurring pollutants can become haz a. introduced into food.		above normal levels.		
	b. introduced into rood.		used by industry.		
	c. madada mito water.	u.	acta of madouf.		

 15.	Which of the following pollutants are a		· ·
	a. carbon monoxide and many kinds of		
	b. organophosphates and many kinds		tes
	c. carbon monoxide and organophosp	hates	
	d. radon and heavy metals		
 16.	\mathcal{E}	•	*
	a. Laws regulating waste disposal are		
	b. Old landfills still prevent any waste		
	c. Waste incineration plants no longer		•
	d. Many communities release raw sew	•	•
 17.	F	in the sprea	nd of cholera and dysentery because
	a. air can carry the pathogens.	.1	
	b. water provides a habitat in which the	ne pathogen	s breed.
	c. the pathogens reproduce in soil.	itaa	
10	d. the disease is transmitted by mosqu		
 18.	People's actions cause some disease-ca	•	
	a. unaffected by radiation.b. extinct.		resistant to antibiotics.
10			emerging viruses.
 19.	1 ,		
	a. educated guess.		risk assessment.
•	b. response assessment.		dose-response curve.
 20.	,		
	a. Mercury		Cadmium
	b. Lead		Arsinic
 21.			a in 2014-2015 that we watch the video about?
	a. Flu		Ebola
	b. Turburculosis		AIDS
 22.	What organization aided the people in the hospital?	the video by	educating, disinfecting areas, and transporting people to the
	a. WWF	c.	DWB
	b. WHO	d.	DDT

Chapter 16 Test

Multiple Choice

Identify the choice that best completes the statement or answers the question.

- 1. Evaporites most commonly form in
 - a. arid regions where rates of evaporation are high. b. rain forests where rates of evaporation are low. c. cold regions that receive significant snowfall. d. an area with frequent volcanic activity.
- 2. Which of the following are minerals that contain valuable substances?
 - a. native minerals b. ore minerals c. gangue minerals d. longwalls
- 3. Which of the following is *not* a characteristic of a mineral?
 - a. naturally occurring b. atoms in random geometric patterns c. usually an inorganic solid d. orderly internal structure
- 4. Which of the following is *not* one of the ways that ore minerals may form?
 - a. cooling of magma b. circulation of hydrothermal solutions through rocks c. flooding of empty streambeds and rivers d. evaporation of water that contains salts
- 5. What is one property that may be used to distinguish metallic from nonmetallic minerals? a. cost to extract b. value c. carbon content d. electrical conductivity
- 6. What must hot subsurface waters contain in order to be considered hydrothermal solutions?
 - a. crystallized minerals b. dissolved minerals c. gangue minerals d. inorganic solids

7.	Gangue minerals a. are valued for their rarity and durability. b. have no commercial value. c. are the most difficult to mine. d. are native elements.
8.	The first step in surface coal mining is a. to remove and set aside the soil that covers the area to be mined. b. to use heavy equipment to take core samples. c. to test to see if quarrying would be more effective. d. to make cuts in the coal for easier removal.
9.	Dredging streambeds may be an effective technique for mining a. salt. b. coal. c. gold. d. sulfur.
10.	Acid mine drainage a. harms or kills aquatic life. b. purifies streams. c. causes acid rain. d. is unregulated in the United States.
11.	Which of the following is <i>not</i> a method of subsurface mining? a. room-and-pillar mining b. longwall mining c. solution mining d. open-pit mining
12.	Through, mining companies can identify areas where there may be valuable mineral resources. a. mineral exploration b. smelting c. mineral excavation d. dredging
13.	Placer deposits are surface mineral deposits that have been concentrated by a. surface mining. b. subsurface mining. c. movement of wind and water. d. evaporation and condensation.
14.	Which of the following would <i>not</i> likely be mined using solution mining? a. gypsum b. potash c. salt d. sulfur
15.	The layer of impurities on top of molten metal that forms during smelting is called a. smelt. b. dredge. c. slag. d. flux.
16.	A quarry also could be called a. an open pit. b. the overburden. c. a longwall. d. a pillar.
17.	Which of the following is a water contaminant that can cause acid mine drainage? a. flux b. carbon dioxide c. methane d. sulfuric acid
18.	Collapse of can lead to subsidence. a. solar evaporation ponds b. pillars in abandoned mines c. open-pit mines d. placer deposits
19.	Which of the following is <i>not</i> a regulation mining companies must follow? a. the Clean Water Act b. the Hazardous Products Act c. the Safe Drinking Water Act d. the Endangered Species Act
20.	From whom must mining companies obtain permits before mining a site? a. state and federal agencies b. federal agencies only c. local government only d. a bonding company
21.	Reclamation is the process of a. removing coal from a subsurface seam. b. extracting ore minerals from gangue minerals. c. returning land to its original or better condition after mining. d. protecting the habitats of local wildlife.
22.	Surface mining can cause a. only air pollution. b. only noise pollution. c. both air and noise pollution. d. neither air nor noise pollution.
23.	What can contaminate a river during dredging? a. potash b. sea water c. placer deposits d. muddy sediments
24.	The regulates the release of hazardous substances into the air, soil, and water by mining. a. Clean Water Act b. Comprehensive Response Compensation and Liability Act c. Surface Mining Control and Reclamation Act of 1977 d. Safe Drinking Water Act
25.	The sets standards to minimize the surface effects of coal mining on the environment. a. Clean Water Act b. Comprehensive Response Compensation and Liability Act c. Surface Mining Control and Reclamation Act of 1977 d. Safe Drinking Water Act

Key Terms

Sustainability – The condition in which human society can go on indefinitely and future generations can have a stand of living as high as our own.

Economics – The study of the choices people make as they use and distribute limited resources.

Environmental Impact Statement – As assessment of the effect of a proposed project or law on the environment.

Lobbying – An attempt to influence the decisions of the lawmakers.

Citizen – an inhabitant of a city or town, especially one entitled to its privilegesor franchises.

Society – the body of human beings generally, associated or viewed as members of a community.

International agreement – An understanding made by a global community.

Globalization – Environmental and economic conditions are linked across political borders around the world.

Montreal Protocol – Successfully reduced the amount of ozone-destroying chemicals in the atmosphere.

Kyoto Protocol – Attempted to avoid or slow down global warming by reducing greenhouse-gas emissions around the world.

Value – How much something is worth.

Economic growth – An increase in the amount of goods and services produced per head of the population over a period of time.

Markets – The field of trade or business.

Economic incentives – Offerings to encourage people to make certain choices or behave in a certain way. They usually involve money, but they can also involve goods and services.

Market failures – A situation in which the allocation of goods and services is not efficient.

Nature Conservancy – A charitable environmental organization, headquartered in Arlington, Virginia, United States. Its mission is to "conserve the lands and waters on which all life depends."

DDT – A persistent pesticide that was banned in the 1970's that was responsible for the near extinction of the California Condor.

EPA – An organization that helps regulate environmental issues in the United States.

Unfunded mandate – A statute or regulation that requires a state or local government to perform certain actions, with no money provided for fulfilling the requirements.

Clean Water Act – Established the basic structure for regulating pollutant discharges into the waters of the United States.

Green space

- plot of undeveloped land separating or surrounding areas of intensiveresidential or industrial use that is mainta ined for recreational enjoyment.

People to Know

- Henry Thoreau A conservationist and writer who is best known for his essays about his stay in a cabin at Walden Pond in Massachusetts.
- John Muir A Scottish-born naturalist and writer who founded the Sierra Club.
- Teddy Roosevelt The first American president to strongly support conservation. Founded the Forest Service and expanded the national forests.
- Alice Hamilton American expert on diseases caused by working with chemicals.
- Rachel Carson A biologist with the US Fish and Wildlife Service who raised awareness of toxic pesticides in her book *Silent Spring*.

- Paul Ehrlich A Stanford ecologist who warned of the dangers of rapid population growth with book *Population Bomb*.
- Jane Goodall Studied chimpanzees in Tanzania's Gombe Stream National Park.
- Marion Stoddart Led efforts to save the Nashua River in Massachusetts from pollution and development.
- Jacques Cousteau Was a world-famous French oceanographer.
- Garrett Hardin Was a distinguished professor of human ecology who is best known for his essay "The Tragedy of the Commons."