_____ Class _____ Date _____

Skills Worksheet

Concept Review

MATCHING

In the space provided, write the letter of the term or phrase that best matches the description.

 1. fossil fuels	a. Middle East
2 , region with the most coal deposits	b. fission and fusion
 3. electric generator	c. oil, natural gas, and coal
 4. site of world's worst nuclear reactor accident	d. magnetic fields and rotating turbines
 5. nuclear energy	e. gasoline and plastics f. Asia
 6. used in a nuclear reaction	g. uranium
 7. made from petroleum	h. Chernobyl
 8. region with the most oil deposits	i. Europe j. deuterium and tritium
 9. used in nuclear fusion	•
 10. region with the most natural gas deposits	

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 <i>n</i>	ot a main use of fuel?				
a. transportation	c. heating and cooling buildings				
b. manufacturing	d. cooking				
12. The energy in fossil fuels is	often converted into				
a. electricity.	c. uranium.				
b. magnetic fields.	d. power plants.				
13. Which country uses the lea	st amount of energy per person?				
a. Argentina	c. United States				
b. Japan	d. Canada				
14. Much of the oil and natural	gas in the United States is located in				
a. Alaska, Minnesota, New	York, and Texas.				
b. Alaska, California, Michi	b. Alaska, California, Michigan, and Nevada.				

- c. Texas, Colorado, New York, and the Gulf of Mexico.
- d. Alaska, Texas, California, and the Gulf of Mexico.

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15	15. Most of the world's fossil fuel reserves are made up of						
	a. oil.	C L	• coal.				
	D. natural gas.	a	• waste rock.				
16	. Crude oil is another name	for					
	a. fossil fuel.	c	. petroleum.				
	b. natural gas.	d	. methane.				
17	Internal combustion engir	nes release					
	a. carbon dioxide into the atmosphere.						
	b. nuclear waste into the	atmosphere	2.				
	c. iodized oil into the atm	osphere.					
	d. methane into the atmos	sphere.					
18	Oil production is still incr	easing hut	it				
10	a will start decreasing in the next year						
	b. is increasing much more dramatically than it did in the past.						
	c. will start decreasing in	the next fir	ve years.				
	d. is increasing much more	re slowly th	an it did in the 1960s.				
19	A large oil reserve						
	a . was discovered in Morocco in the year 2000						
	b. has not been discovered in the past decade.						
	c. has only been discovered in Saudi Arabia.						
	d. will probably be discov	vered on the	e moon.				
20	. Which of the following is	not a conse	equence of using nuclear energy?				
	a. production of electricit	у					
	b. reduction in the use of fossil fuels						
	c. a safer environment for humans						
	d. release of less radioact	ivity into th	e atmosphere than burning coal				
21	. Nuclear fusion and nuclea	ar fission ar	e different because				
	a. fusion releases no ener	gy.					
	b. fission is a consequence of fusion.						
	c. nuclei unite during fusion and split during fission.						
	d. fission does not produc	ce nuclear v	waste.				
22	. Which of the following is	not true?					
	a. Uranium-bearing rocks	are in unli	mited supply.				
	b. Building and maintaining a safe reactor is very expensive.c. It is difficult to find a safe place to store nuclear waste.						
	d. The fission process car	n get out of	control.				
23	. The most serious nuclear	accident in	the United States occurred at				
	a. Chernobyl.	c	. Diablo Canyon.				
	b. Yucca Mountain.	d	• Three Mile Island.				

Skills Worksheet

Concept Review

MATCHING

In the space provided, write the letter of the term or phrase that best matches the description.

- **1.** plant material, manure, and wood **2.** uses collectors with moving parts to capture the sun's energy **3.** saves energy **d.** biomass fuel **4.** energy sources that are still in development e. fuel cell **5.** energy produced from moving water **6.** uses the sun's energy to heat something directly, without moving parts _____ **7.** energy from heat in Earth's interior **8.** uses low pressure and warm ocean water to boil colder ocean water _____ **9.** percentage of energy that does useful work in a system
- **10.** uses hydrogen as an energy source

- **a.** passive solar heating
- **b.** ocean thermal energy conversion (OTEC)
- **c.** alternative energy
- **f.** active solar heating
- **g.** energy efficiency
- **h.** energy conservation
- i. hydroelectric energy
- **j**. geothermal energy

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.** Wind, moving water, sunlight, and heat from Earth's interior are sources of **a.** alternative energy. **c.** renewable energy. **b.** geothermal energy. **d.** ocean thermal energy. **12.** Which of the following uses solar collectors to heat water?
 - **a.** passive solar heating **b.** active solar heating
- **c.** photovoltaic cells **d.** all of the above

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Name	Clas	s	Date			
Concept Review continu	ed					
13. Which of the fo world?	13. Which of the following is the fastest-growing source of energy in the world?					
a. passive sola	r heating	c. fuel cells				
b. photovoltai	c cells	d. wind pow	ver			
14. Which of the focult	14. Which of the following is a major source of biomass fuel in developing countries?					
a. wood		c. corn				
b. dung		d. both (a) a	und (b)			
 15. A geothermal p a. pumping he b. circulating f c. holding wat d. using metha 	power plant gets en ated water or stear luid underground. er behind a dam. une from decompos	nergy by m from rock fo sition.	rmations.			
16. Tidal power, hy are sources of	ydrogen fuel cells,	and ocean ther	mal energy conversion			
a. alternative e b. geothermal	energy. energy.	c. nonrenew d. hydroeled	vable energy. etric energy.			
 17. Which of the formation of the formation	ollowing description do not use gasoling have not been made are energy-efficient rely on biomass fur	ons of hybrid ca le engines. de yet. nt. lel.	urs is correct?			
18. Which of the fo correct? a. The amount	ollowing statement of hydrogen on Ea	s about hydrog rth is too small	gen as a fuel source is to meet our fuel needs.			
 b. Hydrogen car chemically. c. When hydro d. Generating 2 	an be burned as a f ogen is burned, it re hydrogen by burnin	fuel or used to eleases pollutai ng fossil fuels i	produce electricity nts. s inexpensive.			
19. Sunlight falls o a. photovoltaio b. fuel cell.	on a semiconductor c cell.	r, causing it to r c. battery. d. solar colle	release electrons, in a ector.			
20. People can cor a. mostly for s b. instead of ta c. with a large d. that is fuel-e	nserve energy in th hort distances. aking a bus or trair gas tank. efficient.	eir daily lives b 1.	oy driving a vehicle			

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