

Skills Worksheet

Concept Review**MATCHING**

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

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|---|---|
| _____ 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 |
| _____ 6. used in a nuclear reaction | f. Asia |
| _____ 7. made from petroleum | g. uranium |
| _____ 8. region with the most oil deposits | h. Chernobyl |
| _____ 9. used in nuclear fusion | i. Europe |
| _____ 10. region with the most natural gas deposits | j. deuterium and tritium |

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 *not* a main use of fuel?
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|--------------------------|---|
| a. transportation | c. heating and cooling buildings |
| b. manufacturing | d. cooking |
- _____ 12. The energy in fossil fuels is often converted into
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|----------------------------|-------------------------|
| a. electricity. | c. uranium. |
| b. magnetic fields. | d. power plants. |
- _____ 13. Which country uses the least 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
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| a. Alaska, Minnesota, New York, and Texas. |
| 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. |

Concept Review *continued*

- _____ **15.** Most of the world's fossil fuel reserves are made up of
a. oil. **c.** coal.
b. natural gas. **d.** waste rock.
- _____ **16.** Crude oil is another name for
a. fossil fuel. **c.** petroleum.
b. natural gas. **d.** methane.
- _____ **17.** Internal combustion engines release
a. carbon dioxide into the atmosphere.
b. nuclear waste into the atmosphere.
c. iodized oil into the atmosphere.
d. methane into the atmosphere.
- _____ **18.** Oil production is still increasing, but it
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 five years.
d. is increasing much more slowly than 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 discovered on the moon.
- _____ **20.** Which of the following is *not* a consequence of using nuclear energy?
a. production of electricity
b. reduction in the use of fossil fuels
c. a safer environment for humans
d. release of less radioactivity into the atmosphere than burning coal
- _____ **21.** Nuclear fusion and nuclear fission are different because
a. fusion releases no energy.
b. fission is a consequence of fusion.
c. nuclei unite during fusion and split during fission.
d. fission does not produce nuclear waste.
- _____ **22.** Which of the following is *not* true?
a. Uranium-bearing rocks are in unlimited 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 can 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.