

MODERN EARTH SCIENCE

Section 11.4

Alternative Energy Sources

Choose the one best response. Write the letter of that choice in the space provided.

- _____ 1. Hydroelectric energy is energy produced by:
 - a. hot geysers.
 - b. burning coal.
 - c. fission reactions.
 - d. running water.

- _____ 2. What percentage of the electricity used in the United States comes from hydroelectric plants?
 - a. 4%
 - b. 11%
 - c. 27%
 - d. 53%

- _____ 3. In power plants, the force of steam is used to spin turbines primarily in order to:
 - a. generate electricity.
 - b. cool the reactor.
 - c. generate heat.
 - d. drive machinery.

- _____ 4. A disadvantage of wind-driven generators is that:
 - a. fuel is expensive.
 - b. wind energy is inefficient.
 - c. the wind does not always blow.
 - d. generators pollute the atmosphere.

- _____ 5. Water heated as it flows through hot rocks is a source of:
 - a. geothermal energy.
 - b. fossil fuels.
 - c. solar energy.
 - d. hydroelectric power.

- _____ 6. Power plants using geothermal energy are used extensively in:
 - a. England.
 - b. Iceland.
 - c. Mexico.
 - d. Canada.

Read each question and answer it in the space provided.



7. What type of energy is the building in the diagram designed to take advantage of? _____

8. What is the name for a rooftop box designed to capture the energy in sunlight? _____

9. Which type of energy makes use of the energy found in magma? _____

10. What are the two types of solar energy systems? _____