



EXPLORING ENERGY Program Quiz

Name _____

Directions: At the end of the program there is a quick quiz. You can answer the questions on this sheet.

1. How are potential and kinetic energy different from each other?
2. What are the seven main forms of energy?
3. The law of conservation of energy states that energy is neither created nor destroyed. What does this mean?
4. What are nonrenewable resources? Give some examples of nonrenewable resources.
5. What are renewable resources? Provide some examples.
6. What are some of the problems associated with burning fossil fuels?
7. Why are nonrenewable resources also called fossil fuels? How were they formed?
8. Why is the conservation of energy so important?
9. What are some things people can do to conserve energy?



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EXPLORING ENERGY Pre-test

Name _____

A. Directions: Give a definition for each of the following terms.

1. potential energy
2. kinetic energy
3. friction
4. air resistance
5. mechanical energy

B. Directions: The following questions need a short answer.

1. Give a definition for nonrenewable resources and identify some of these resources.
2. What are renewable resources and what are some examples?
3. How are potential and kinetic energy related?
4. How does a roller coaster demonstrate potential and kinetic energy in action?
5. Give a description for each of these renewable resources.
 - a. solar energy
 - b. wind energy
 - c. geothermal energy
 - d. biomass energy
 - e. hydropower