

Lesson Quiz A**LESSON 1****Forms of Energy****Multiple Choice**

Directions: On the line before each question or statement, write the letter of the correct answer.

- _____ 1. Energy is the ability to
A. use gravity.
B. hold objects.
C. cause change.
- _____ 2. A moving truck has more _____ energy than a parked truck.
A. sound
B. kinetic
C. potential
- _____ 3. A large truck parked on a hill has more _____ energy than a car parked next to it.
A. sound
B. kinetic
C. potential
- _____ 4. Which situation is an example of work?
A. a person holding several tools
B. a person sitting in a parked car
C. a person hitting a pitched baseball
- _____ 5. Which type of energy is the total energy of kinetic energy and potential energy in a system of objects?
A. sound energy
B. radiant energy
C. mechanical energy

Matching

Directions: On the line before each definition, write the letter of the term that matches it correctly. Each term is used only once.

- | | |
|--|-----------------------------|
| _____ 6. released when nuclei split | A. elastic potential energy |
| _____ 7. stored in a stretched rubber band | B. thermal energy |
| _____ 8. moves from warmer objects to cooler objects | C. nuclear energy |
| _____ 9. used when your body moves | D. radiant energy |
| _____ 10. carried by electromagnetic waves | E. chemical energy |

Lesson Quiz B

LESSON 1

Forms of Energy

Completion

Directions: *On each line, write the term that correctly completes each sentence.*

1. _____ can create sound and light and cause changes in the motion of objects.
2. As a ball rolls faster downhill, its _____ energy increases.
3. A large boulder at the edge of a high cliff has more _____ energy than a smaller boulder.
4. When you do _____ on an object, the energy of that object increases.
5. An object's _____ energy is a combination of its kinetic energy and potential energy.

Short Answer

Directions: *Respond to each statement on the lines provided.*

6. Forms of energy include thermal, radiant, and nuclear. **Define** these three forms of energy.

7. **Compare** and **contrast** chemical potential energy and elastic potential energy.
