Name Date Class

SECTION 1 Reinforcement

The Nature of Energy

Directions: *Place a plus* **(+)** *to the left of the statements that agree with what was said in the textbook. Place a minus* **(-)** *to the left of the statements that do not agree with the textbook. Then circle the word or words that need to be changed, and write what they need to be changed to so that the statement is true.*

_____ **1.** Anything that causes change must have energy. _____

_____ **2.** Kinetic energy is energy in the form of motion. _____

_____ **3.** The joule is the SI unit of energy. _____

_____ **4.** According to the law of conservation of energy, energy can be created or destroyed.

_____

_____ **5.** Energy may change from one form to another, but the total amount of energy never changes.

_____

_____ **6.** Mechanical energy is the total amount of potential and kinetic energy in a system.

_____

_____ **7.** A rock at the edge of a 200-m high cliff has more potential energy than an equal-sized rock at the edge of a 600-m high cliff.

_____

_____ **8.** The energy stored in foods and fuels is chemical potential energy.

_____

_____ **9.** One food Calorie is equivalent to about 2,800 joules. _____

Directions: *Fill in the missing information in the chart below which compares kinetic energy and gravitational potential energy.*

Characteristic	Kinetic energy	Gravitational potential energy
Definition	10.	11.
Units of measure	12.	13.
Quantities in calculation	14.	15.

Meeting Individual Needs