

Practice Sheet #18

DUE FRIDAY, JANUARY 27, 2012

READ CHAPTER 9 pages 240-253

FILL IN THE BLANK

Complete each statement using the term or terms from the list below. Some words may be used more than once.

thermal	chemical	electrical	potential
mechanical	energy	space	kinetic
nuclear	sound	light	mass
conversion	sun		

- The ability to make things move is called _____.
- The main forms of energy are _____, _____, _____, _____, _____, and _____.
- Energy can be classified as _____ energy, the energy of motion, or _____ energy which is stored energy.
- The total energy of motion and position of an object is _____ energy.
- Thunder is an example of _____ energy.
- Matter has _____ and takes up _____.
- _____ has no mass and does not take up space.
- A change from one form of energy to another is called an energy _____.
- When you eat food, you are taking in energy that first came from the _____.

TRUE OR FALSE

In the space provided, write "true" if the sentence is true. Write "false" if the sentence is false.

- _____ 1. Energy makes things move.
- _____ 2. Only moving things have energy.
- _____ 3. There is only one form of energy.
- _____ 4. Everything has the same amount of energy.
- _____ 5. Living things need energy.
- _____ 6. Electrical energy powers the sun.
- _____ 7. Energy takes up space and has mass.
- _____ 8. Matter and energy are the same.

MULTIPLE CHOICE

- _____ 1. When the skateboarder reaches the top of the half-pipe, which of the following types of energy is at its maximum?
- mechanical energy
 - kinetic energy
 - potential energy
 - elastic potential energy
- _____ 2. Which of the following types of energy is present in the wound-up rubber band in a toy airplane?
- mechanical energy
 - kinetic energy
 - potential energy
 - elastic potential energy
- _____ 3. Which of the following types of energy comes from the food you eat?
- chemical energy
 - thermal energy
 - light energy
 - nuclear energy
- _____ 4. When you are active, chemical energy of food is converted into which of the following types of energy?
- kinetic energy
 - thermal energy
 - mechanical energy
 - potential energy
- _____ 6. Which of the following types of energy do plants use to make chemical energy?
- gravitational energy
 - thermal energy
 - light energy
 - nuclear energy
- _____ 7. Which of the following types of energy makes a light bulb feel warm?
- light energy
 - electrical energy
 - thermal energy
 - nuclear energy
- _____ 8. Whenever one form of energy is converted into another form of energy, some of the original energy is always converted into which of the following?
- light energy
 - thermal energy
 - kinetic energy
 - sound energy