1. _____ is the ability to cause changes in matter.

Energy

2. List seven different forms of energy.

Seven different forms of energy are mechanical, chemical, electrical, electromagnetic, thermal, sound, and nuclear energy.

3. True or false: Energy can change from one form to another.

true

4. The form of energy stored in food is _____ energy.

chemical

5. Lights give off energy in the form of light energy and _____ energy.

thermal

6. What form of energy are you using when you throw a ball?

When you throw a ball, you are using mechanical energy.

7. True or false: The energy of moving electrons is called chemical energy.

false

8. Electromagnetic energy includes

   a) light energy.
   b) sound energy.
c) heat energy.

d) two of the above

9. How can nuclear energy be released?

Nuclear energy can be released by splitting nuclei in nuclear power plants or by the natural decay of radioactive elements.

10. Energy that travels in waves through matter is

   a) nuclear energy.
   
   b) electrical energy.

   c) sound energy.

   d) two of the above

   c