

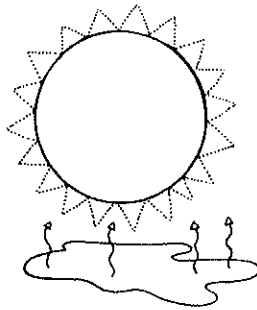
Types of Energy

Energy can exist in many different forms. Each of these energy forms can be changed from one type to another and back again. Match each term in the word box to a description of each type of energy.

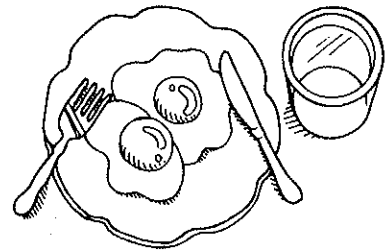
nuclear sound mechanical radiant
 thermal electrical chemical



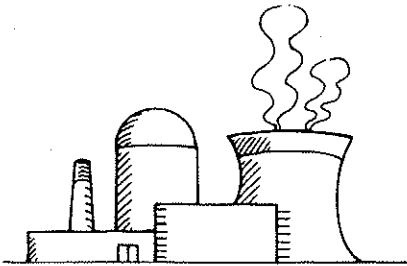
1 _____



2 _____



3 _____



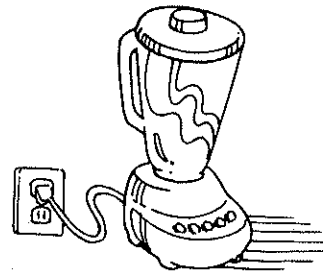
4 _____



5 _____



6 _____



7 _____

The Various Forms of Energy

Match each term in the word box to its definition.

sound energy	radiant energy	thermal energy
mechanical energy	nuclear energy	chemical energy
electrical energy	kinetic energy	potential energy
forms		

- 1 _____ This is stored energy of an object or material. It is the energy that an object has due to its position.
- 2 _____ This is the energy associated with movement of electrons through a wire or circuit.
- 3 _____ This is the energy produced when an atom splits apart (fission) or when two atoms join to form one atom (fusion).
- 4 _____ This is the energy of motion. The faster an object moves, the more of this it has.
- 5 _____ This is the energy of an object due to the motion of its atoms and molecules. An object that feels hot has more of this inside it than it does after it has cooled down.
- 6 _____ This is energy that can travel in waves and can move through empty space.
- 7 _____ This is the energy stored in the connections between atoms. As chemical reactions take place to release these connections, this energy is released.
- 8 _____ All energy can change from one of these to another.
- 9 _____ This is the energy of vibrations carried through solids, liquids, or gases. It travels in waves, but it cannot move through empty space.
- 10 _____ This is the energy of an object do to its motion, position, or condition. It is the combined total of potential energy and kinetic energy of an object.