

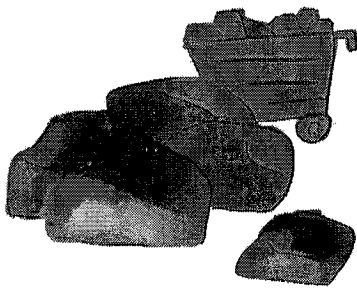
DIFFERENT FORMS OF ENERGY

Energy comes in different forms, and each can be changed into another form.

HERE ARE SIX DIFFERENT FORMS OF ENERGY

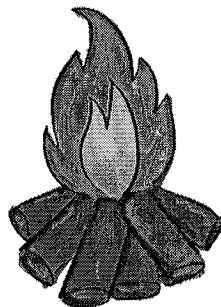
CHEMICAL ENERGY

is the energy stored within bonds between molecules. There are many sources for this energy, such as natural gas, gasoline and coal.



THERMAL ENERGY

(or heat energy) is the energy of moving molecules. The energy that comes from a fire is thermal energy.



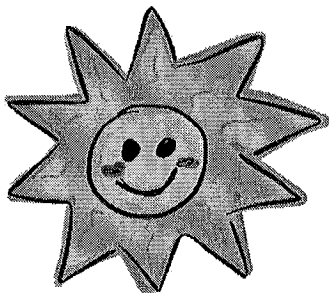
MECHANICAL ENERGY

is the energy stored in objects by tension. When the tension is released, motion occurs. A spring that is pressed down has mechanical energy.



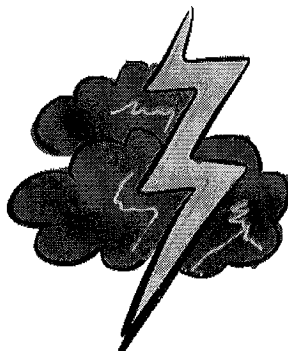
RADIANT ENERGY

(or light energy) is related to the movement of light. The Sun provides radiant energy to warm our planet.



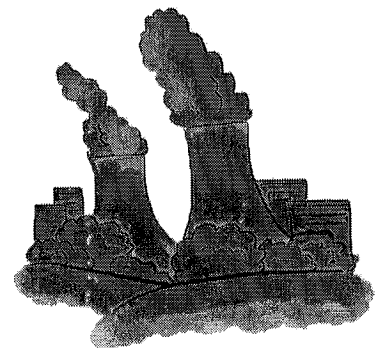
ELECTRICAL ENERGY

is energy that comes from tiny charged particles called electrons. In nature, lightning is one form of electrical energy.



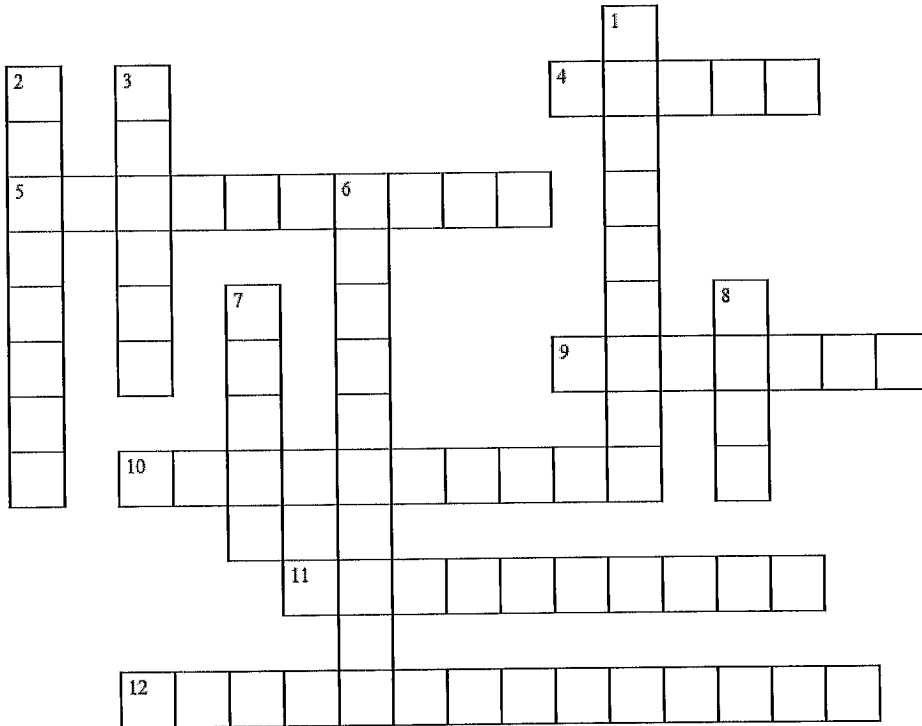
NUCLEAR ENERGY

is the energy created when the nuclei of atoms are split or fused. This type of energy is produced in nuclear power plants.



Energy Types

Directions: Solve the crossword puzzle using the clues and picture clues below.



Across

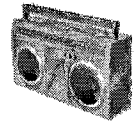
- 5 This type of energy flows in a circuit.
- 10 This type of energy can put things in motion.
- 11 Materials that transfer electrical current
- 12 When energies change from form to form, they go through an energy _____.

Down

- 2 Plants use this type of energy to make food during photosynthesis.
- 3 Electricity is a form of _____.
- 6 Materials that do not transfer electrical current

Across

- 4 This stereo uses electrical energy to produce _____.



- 9 This moving ball has _____ energy.



Down

- 1 This stationary ball has _____ energy.



- 7 This lamp uses electrical energy to produce _____.



- 8 This toaster uses electrical energy to produce _____.

