Environmental Science Terms

Using the word bank, write the correct term on the line provided.

**Chemical Formula Electromagnetic Radiation First Law of Thermodynamics constant**

**Potential Energy Flows or Throughputs Energy Quality Kinetic Energy Independent Variable**

**Inputs Scientific Theory mass number**

\_\_\_\_\_\_ **constant** \_\_\_\_\_\_\_\_\_\_\_\_ Factors in that are kept the same between the control group and experimental group.

\_\_\_\_\_\_**Chemical Formula** \_\_\_ \_\_\_\_\_\_\_\_ Shows the number and types of each atom in a compound.

\_\_\_\_\_\_ **Kinetic Energy** \_\_\_\_\_\_\_\_\_\_\_ Energy associated with motion. flowing water, moving car, wind, electrons moving.

\_\_\_\_ **Flows or Throughputs** \_\_\_ \_\_\_\_\_\_ Matter and energy within the system.

\_\_  **Scientific Theory** \_\_\_\_\_\_\_\_\_ \_\_\_\_\_ A well-tested concept that explains a wide range of Observations.

\_\_\_ **Electromagnetic Radiation** \_\_\_\_\_\_\_\_\_\_ Energy travels in the form of a wave as a result of changes in

electrical and magnetic fields.

\_\_ **Energy Quality** \_\_\_ \_\_\_\_\_ Measure of the capacity of a type of energy to do useful work.

## \_\_ Potential Energy \_\_ \_\_\_\_\_\_ Stored energy and potentially available for use.

\_\_\_ **Independent Variable** \_\_\_\_\_\_\_\_\_\_\_\_\_\_ The experimental factor that is manipulated; the item whose effect is being studied.

\_\_ **First Law of Thermodynamics** \_\_\_\_\_\_\_\_\_ Conservation of energy (can't be created or destroyed)