Energy Transfer Problem Set 1 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block \_\_\_

Fill in the blanks with the right form of energy for each scenario. The forms of energy you have learned about are KINETIC (motion, sound, electrical, thermal, and radiant) and POTENTIAL (chemical, stored mechanical, gravitational, and nuclear).

1. A battery in a flashlight is an example of \_\_\_\_\_\_\_\_\_\_\_\_\_ energy being converted into \_\_\_\_\_\_\_\_\_\_\_\_\_ energy and then \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy.
2. A baseball being hit by a baseball bat is an example of \_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy of one object being converted into \_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy of a different object.



1. A match being lit is an example of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy being converted into \_\_\_\_\_\_\_\_\_\_\_\_ energy.



1. Turning on the TV at your house is an example of \_\_\_\_\_\_\_\_\_\_\_\_ energy being converted into \_\_\_\_\_\_\_\_\_\_\_\_\_ energy and \_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. When the sun shines \_\_\_\_\_\_\_\_\_\_\_\_\_ energy in its core is converted to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy travels through space and hits a solar panel. The solar panel converts this energy to \_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy. This energy is then transferred into \_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy when you turn on a lamp. Incandescent light bulbs are quite inefficient and some energy is lost to the surroundings in the form of \_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy.