

Forms of Energy and Energy Transformations

LT: I can identify and describe the different forms of potential and kinetic energy. _____

LT: I can give/explain examples of energy transformations. _____

Potential and Kinetic Energy

Identify each of the following forms of energy as either potential energy (P) or kinetic energy (K).

Sound

Nuclear

Elastic

Electric

Chemical

Gravitational

Thermal

Electromagnetic

- a. Choose one of the above forms of potential energy and describe why it fits in this category.

- b. Choose one of the above forms of kinetic energy and describe why it fits in this category.

Forms of Energy

Match the energy form(s) to the description provided. Questions may have more than one answer.

_____ 1. A boulder at the top of a hill

a. Translational motion

_____ 2. Release of energy from the Sun

b. Electric

_____ 3. A coiled spring

c. Electromagnetic (radiant)

_____ 4. Batteries not in use

d. Chemical

_____ 5. The energy that runs a refrigerator

e. Nuclear

_____ 6. Nuclear fission reactors

f. Sound

_____ 7. The thunder from a storm

g. Elastic

_____ 8. Rubbing your hands together

h. Gravitational

_____ 9. Gasoline stored in a tank

i. Rotational motion

_____ 10. Food before it is eaten

j. Thermal (heat)

