

A Potential Energy Worksheet

- 1) What is the difference between kinetic energy and potential energy?

- 2) Describe a process that we haven't yet discussed in class where energy was converted between potential and kinetic energy (or vice versa). Make it interesting!

- 3) What is the difference between heat and temperature?

- 4) Yesterday night I cooled a 2 liter bottle of soda in my refrigerator. From the point of view of the soda, define the:
 - system:
 - surroundings:
 - universe:

- 5) What are the answers to question 4 as seen from the point of view of the refrigerator?
 - system:
 - surroundings:
 - universe:

- 6) Convert 450 calories to joules.