

Harnessing Human Energy Assessment—Review

Name _____

Go to the Simulation (3.2 HW, page 2 will get you there) and build a gas powered system that plays music. Your system **must** include a ball launcher and a ball catcher. Make sure you **Run** and **Analyze** your system.

1. List ALL of the parts in your system. (You may or may not need all or the lines provided)

a. _____ b. _____ c. _____ d. _____

e. _____ f. _____ g. _____ h. _____

2. Was there any potential energy in this system? What are they and why are they examples of PE?

3. Why did the radio stop playing? Make sure you include energy in your answer.

4. Would the music start playing again if you refilled the gas tank? Explain your answer in terms of energy.

5. What happened to the energy levels (did they up, down or stay the same) in the gas tank once you started playing your music? Make sure you use the word transfer or convert in your answer.

6. Once the music stopped? Was there energy left in the radio? Explain. If not, where did it go?
Hint: Look at the graph at the bottom of the picture if needed.

7. It has been written that breakfast is the most important meal of the day. Do you believe this is true? Explain your answer in terms of energy.
