

Lesson Plan 2: Recovering Energy from Waste Self Assessment

Name _____ Date _____

Waste Reduction and Recycling at Home

- 1) Estimate how much organic matter is in the trash at home each day, each week, and each month. You can either weigh the organic material or measure it by volume. Can you devise a way to calculate how much energy could be gained from this organic material over a year? Describe your calculation below

- 2) Review the many additional things that can be recycled as explained in the "Recycling" website www.thinkgreen.com/recycling. Make a list below of those kinds of solid waste that were found in your trash and garbage at home.

- 3) If you recycle at your home, identify the types of items you put in your recycling bin compared to the items put in your garbage container. Are there items you put in your garbage that you could have recycled?

- 4) Discuss with your parents the benefits and challenges of composting at home as one way of reducing the solid waste stream and reusing the organic matter in your garden. Is composting at home a possibility? Describe your decision below.