



NAME \_\_\_\_\_

### Dumptown Recycles!

As you play the Dumptown Game, fill in the remainder of the data on this chart which will help you keep track of the marginal benefits and costs of your recycling options.

TIP: Don't select the "Pay as you Throw" option until you have made all your other choices.

Program	Marginal Benefit (Additional Tons Recycled)	Marginal Cost (Additional Cost)	Average Cost Per Ton
Reuse Center	5	73,000	14,600
Drop-Off Recycling	5	83,000	16,600
Home Recycling (Standard)	17	102,000	6,000
Home Recycling (Upgrade)	7 to 19	32,000	4,600 to 1,700
Home Yard Trimmings Pickup	5	20,000	4,000
Grasscycling	7	(17,000)	(2,400)
Home Composting	6	(12,000)	(2,000)
Business Recycling	25	1000	40
Business Composting	3	1000	333
Pay As You Throw	Varies with other programs selected	No Cost	No Cost

Name two programs that will save the city money. *[Grasscycling and Home Composting]*

If you had \$75,000 to spend, what program(s) would you choose to maximize recycling in Dumptown?

<i>Grasscycling</i>	<i>7 tons</i>	<i>(17,000)</i>
<i>Home Composting</i>	<i>6 tons</i>	<i>(12000)</i>
<i>Business Recycling</i>	<i>25 tons</i>	<i>1000</i>
<i>Business Composting</i>	<i>3 tons</i>	<i>1000</i>
<i>Home Recycling (Standard)</i>	<i>17 tons</i>	<i>\$102,0000</i>
<i>Pay as You Throw</i>	<i>6 tons</i>	<i>0</i>

How much would be recycled? *[67 tons]*

What would be the total cost? *[\$75,000]*

If you could afford to pay for one more program, what would it be? Explain your choice in terms of marginal costs and benefits. *[Even though its impact is reduced by other programs, upgrading the Home Recycling program would have the largest marginal benefit - 11 tons - for a cost of \$32,000.]*