Name _____

Home Energy Audit

Electrical Appliance	Estimate Number of hours turned on in one day	Multiply by ($/hr)	Subtotal	Multiply subtotal by the number of appliances	Total ($)
Light		.0025			
Television		.04			
Microwave		.15			
Computer		.01			
Video game system		.04			
Coffee Maker		.10			
				Add the total here	
				Multiply this number by 7 days	
BOX 1			This is your estimated cost of electricity you use in a week. ($)		

Total for the week ($)

Dishwasher	$.10 x (number of loads _____ in a week)	
Washing Machine	$.05 x (number of loads _____ in a week) Number of loads in a week	
Clothes Dryer	$.70 x (number of loads _____ in a week)	
BOX 2	Add the total here	

Refrigerator	$4.00 per week	
Hot Water	$8.00 per week	
Heating	$30.00 per week	
BOX 3	Add the total here	

Box 1 Total	
Box 2 Total	
Box 3 Total	
Total Estimated Cost Per Week	
Multiply by 4 weeks to Compute Estimated Cost Per Month	

Home Energy Audit Analysis
Write a summary detailing what you learned about your energy usage and describe ways your family can reduce your energy consumption in the future.

_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____

_____
_____
_____
_____
_____
_____
_____
_____

Home Energy Audit Analysis Rubric

Student: _____	Data Collection 30%	Analysis 50%	MUGS (Mechanics, Usage, Grammar, Spelling) 20%
Core: _____	*Assignment:* **Data Collection**	*Focus for Assignment:* **Analysis**	*Focus for Assignment:* **Capitalization & Punctuation**
Exemplary A	**4** Student accurately completes all parts of the home energy audit.	**4** Student gives in-depth analysis of home energy usage including - identifying areas of greatest cost - giving 5 examples of ways to reduce energy consumption - ways to reduce energy consumption are **based on findings.**	**4** Consistently, but not perfectly, correct
Proficient B	**3** Student accurately completes 85% or more of the home energy audit.	**3** Student successfully completes 2 of the 3 criteria above.	**3** Reasonably, but not consistently, correct
Adequate C	**2** Student accurately completes 75% or more of the home energy audit.	**2** Student successfully completes 1 of the 3 criteria above.	**2** Inconsistent control; little understanding of the rule
Attempted D	**1** Student accurately completes 50% or less of the home energy	**1** Student inadequately completes the criteria above.	**1** Little to no control or understanding of the rule

	audit.		
Total Score: _____	**Subscore:** _____	**Subscore:** _____	**Subscore:** _____