

Chapter 8 Practice Test

For questions 1 to 6, write the term from column B that correctly completes the sentence in column A.

A	B
1. During _____, people do not use much electric energy.	a) energy conservation
2. The amount of energy we use is called _____.	b) energy efficiency
3. During _____, most people use a lot of electric energy.	c) energy consumption
4. Using electric devices less is _____.	d) kWh
5. Consuming less energy to complete a task is _____.	e) on-peak periods
6. An _____ is the average amount of electric energy an appliance consumes in a year.	f) off-peak periods
	g) EnerGuide rating

7. Decide whether each of the following statements is true or false. If it is false, rewrite it to make it true.

a) **True/False** The type of home you live in does not affect your household's energy consumption.

b) **True/False** An example of energy conservation is replacing a 100 W regular light bulb with a 15 W compact fluorescent light bulb.

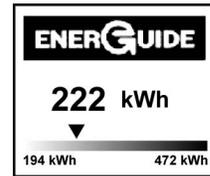
c) **True/False** The units for EnerGuide ratings are watts per month.

d) **True/False** Someone must come by regularly to read a smart meter.

Name: _____

Date: _____

8. This EnerGuide label is for a dishwasher.



a) What is the EnerGuide rating for this model of dishwasher? _____

b) Is this model of dishwasher energy efficient? YES NO
How do you know?

c) What is the EnerGuide rating for the model that uses the least amount of electric energy? _____

9. The price of electric energy is 8.5¢/kWh. Calculate the cost of using each brand of toaster oven for one year.

Toaster Oven Brand	EnerGuide Rating (kWh/year)	Cost of Running Appliance for a Year (¢)	Cost of Running Appliance for a Year (\$)
a) Toasties	120		
b) Toasterizer	200		

c) The average life of this kind of toaster oven is 10 years. How much will it cost to use a Toasties oven over its lifespan? Show your work.

10. Lorelei’s family loves to cook but their electric bills are high. They have a big electric stove and keep an old freezer in the basement. What are two things the family could do to lower their electric energy consumption?

a) Energy conservation _____

b) Energy efficiency _____