Name: _____   Date: _____

Chapter 8 Test

For questions 1 to 6, write the term from column B that matches the description in column A.

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

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

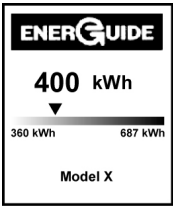**a) True/False**   Canadians use less energy than most people in the world.

_____

b) True/False   A family's size and lifestyle do not affect the household's electric energy consumption.

_____

c) True/False   It costs less to use electric energy during off-peak periods than during on-peak periods.

_____

d) True/False   Hanging your laundry to dry instead of putting it in the clothes dryer is an example of energy efficiency.

_____

Name: _____   Date: _____

8. This EnerGuide label is for Model X, a medium-sized
freezer.

The price of electric energy is 10.0¢/kWh. Calculate the
cost of using each model of freezer for one year. Use the
EnerGuide label to get ratings for freezers in the same class
as Model X.

ENER**G**UIDE

400 kWh
▼
360 kWh ▬▬▬▬▬ 687 kWh

Model X

Freezer Model	EnerGuide Rating (kWh/year)	Cost of Running Appliance for a Year (¢)	Cost of Running Appliance for a Year ($)
a) Model X			
b) Least efficient model in this class			
c) Most efficient model in this class			

d) The average life of a freezer is 21 years. How much will it cost to use
Model X over its lifespan?

9. Give two reasons for reducing electric energy consumption.

a) _____

b) _____

10. Erik's family wants to use less electric energy for heating water.
Describe two actions the family could take.

a) _____

b) _____