

Energy Everywhere



Switch It! Tip

Did you know that the Energy Star Label saves you energy and money? A typical household equipped with Energy Star products can reduce its yearly energy bills by about \$400. Look for the Energy Star Label the next time you shop for an appliance. Go to www.energystar.gov for more information on the Energy Star Label.

Energy is everywhere. Although you can't always see it, energy is in our homes, our schools, and ourselves, making sure we have the power to do it all, from riding a bike to playing video games.

Energy comes in different forms. One form of energy – electricity – “energizes” our televisions, computers, lights, and hair dryers. Every appliance in your home uses electricity to make it work.

Part 1

How much electricity do you use in your home? To find out, start by “taking a roll” of all the things you have that use electric power. Walk through your home with an adult or parent and look for the items on this chart. For each item, tell how many you have in your home by writing that number in the space provided. Be sure to count every light bulb and keep separate counts for incandescent and fluorescent light bulbs. Use the blank spaces to add electric powered items that are not on the chart already.

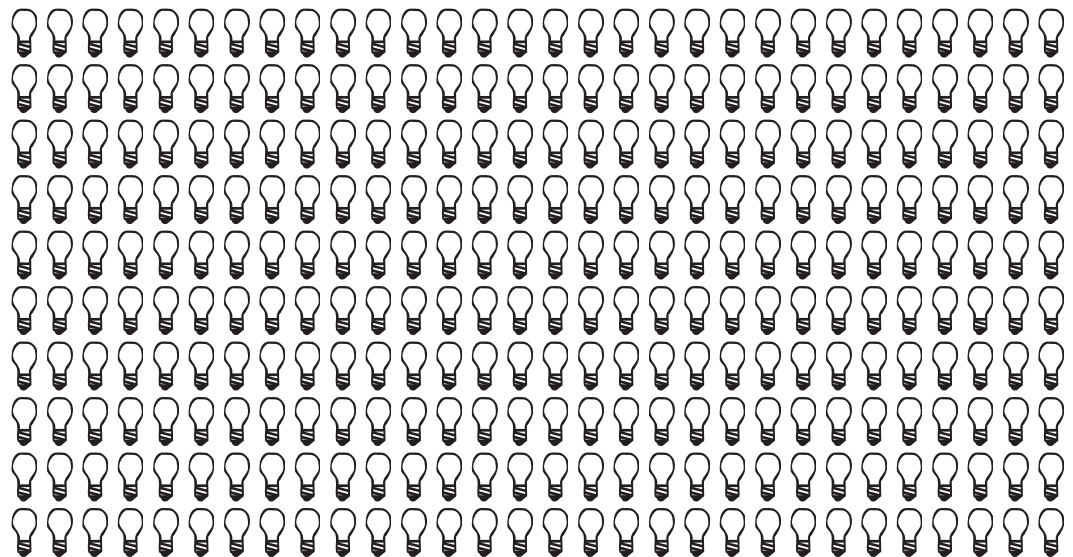
How Many?	Electrical Items	How Many?	Electrical Items
Kitchen		Work and Play	
	Coffeemaker 3		CD Player 12
	Dishwasher 7		Clock 1
	Microwave 4		Computer & Printer 3
	Refrigerator 14		DVD Player 1
	Stove 11		Television 8
	Toaster 1		Video Game 1
Bath and Laundry		Comfort	
	Clothes Dryer 13		Ceiling Fan 3
	Hair Dryer 15		Central Air Conditioning 26
	Iron 1		Dehumidifier 23
	Washing Machine 2		Space Heater 14
	Water Heater 23		Window Air Conditioner 23
Light Bulbs			
	Incandescent 3		Fluorescent 1
Other Items			

Note: Energy measurements based on industry estimates.



Part 2

Now create a pictograph to show how much electricity your family could be using. Look at the light bulb number next to each item you found at home. Color in that number of light bulbs here, working from column to column. If you have more than one of an item, repeat the steps and color in that number of light bulbs. When you've finished, compare pictographs with your classmates. Whose family uses the most electricity? Whose uses the least? Why?



Switch It!

Switching off the lights when you leave a room or closing the door behind you when you go out to play saves energy. Saving energy makes the air cleaner. Clean air helps trees to grow big and strong.

Part 1

Look at the pictures below. Each shows a child doing something to save energy. What can you do to save energy?

Every day this week, try to do at least one of the energy-saving actions shown below. Use this Energy Conservation Diary to record your actions. Every day, write the letters corresponding to all the actions you do in the space provided. Then count up the total number of letters and write that number in the "Total for Day" space. At the end of the week, add up your daily totals.



Activity

2

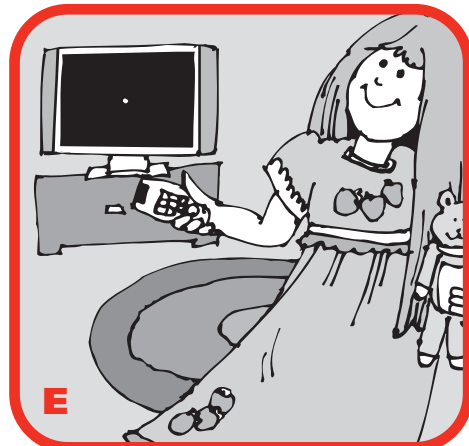
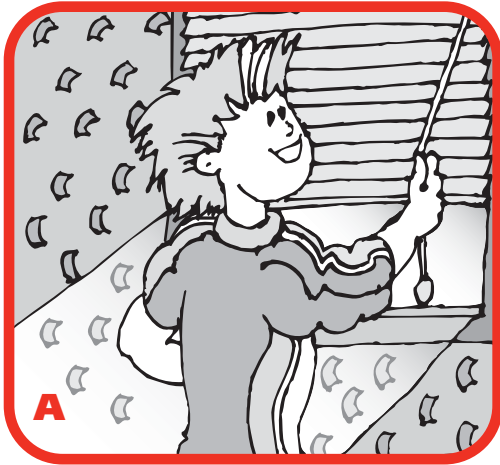
Switch It! Tip

By switching to wind-generated electricity you can take care of your family and contribute to cleaner skies.

Visit www.CommerceEnergy.com to learn more about Commerce Energy's Clear Choice Clean Energy Program.

Energy Conservation Diary

Day	Energy Saving Action	Total for Day
Monday		
Tuesday		
Wednesday		
Thursday		
Friday		
Total for Week		



Part 2

Your efforts as an energy conservation watchdog have helped this seedling grow. Use the scoring key to draw a tree as tall as the total number of energy-saving actions you took this week.

31-40: Congratulations! You're a Switch It! champion.

20-30: Good job! Just a few more energy-saving switches and you'll hit the top.

10-19: You're on your way to conserving energy. Keep going!

0-9: Try again next week. Plan now to make a switch to saving energy every day.



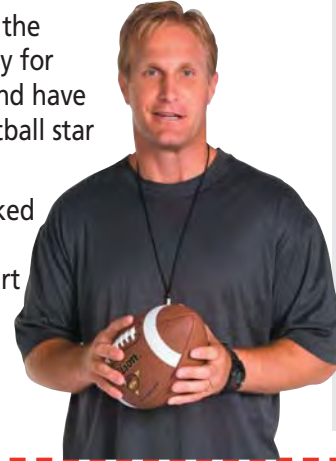
Energize Your Community

Now you are an expert on how to save energy and help create cleaner air. Help football star Chad Hennings spread the word about the importance of energy conservation in your community. Design a **Switch It!** billboard to encourage more people to switch off their energy wasting habits and switch on to a cleaner environment.

Draw your idea on the blank billboard and fill out this entry form. Then ask your teacher to enter your drawing in the **Switch It! Student Billboard Contest**.

Who knows? You could win the Grand Prize — free electricity for your household for a year and have your picture taken with football star Chad Hennings!

All entries must be postmarked no later than **Thursday, November 29, 2007**, so start drawing today. See the Official Rules for details, and good luck!



Activity

3

Switch It! Tip

Did you know that switching energy suppliers can be a first step in controlling home energy costs? Visit www.CommerceEnergy.com to learn more about the many choices Commerce Energy offers to help you save money on your energy bill.

Switch It! Student Billboard Contest Official Entry Form

1.800.ELECTRIC



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The Commerce Energy logo is a trademark of Commerce Energy, Inc.

Student Name: _____

Student Grade: _____

Teacher's Name: _____

Teacher's E-mail: _____

School Name: _____

School Address: _____

School Phone: _____

Parent's/Guardian's Signature: _____