

The Motor Monitor

You've been hired as a MOTOR MONITOR for your home. Your job is to keep track of how long, in minutes, a particular motorized item is used. Choose one from the list below to monitor. Use the tally sheet to record the usage for the item you choose for 5 consecutive days between the hours of 5 and 9 p.m. Then take your data and construct a bar graph or line graph using 5, 10, or 15 minute intervals.

➤ Monitors may choose from the following:

- ✓ Television
- ✓ DVD Player
- ✓ CD Player or Stereo
- ✓ Microwave
- ✓ Blender
- ✓ Mixer
- ✓ Vacuum Cleaner
- ✓ Hair Dryer
- ✓ Electric Razor
- ✓ Curling Iron
- ✓ Can Opener
- ✓ Washing Machine
- ✓ Dryer

“Motors Turn Us On”

➤ Scavenger Hunt

Motors make everything “run”. Remember anything with an electric motor uses magnets. Below is a list of rooms in your home. Identify several items that operate using a motor.

Happy Hunting...

<u>Bathroom</u>	<u>Kitchen</u>	<u>Bedroom</u>
<u>Living Area</u>	<u>Other: basement, attic, garage, laundry room, etc.</u>	

Science Journal Page

"The Great Motor Turn Off"



Inform your family about the results of your findings. Discuss with them three possible ways to conserve energy in your home. Be a part of the "Great Motor Turn Off."

Name three ways you will be a part of the "Great Motor Turn Off"

1. _____
2. _____
3. _____

Do you think this will affect your family's current electric bill?

Yes _____ No _____

Write a paragraph to explain why or why not.