

# Energy Monitors

## Description:

Find out how much energy your devices use. Compare different electronic devices based on their cost of operation, the amount of carbon dioxide produced in generating electricity consumed, and the watts.

## Ingredients:

Belkin energy monitor  
Various electrical appliances  
Power outlet

## Directions:

Plug the Belkin monitor into an outlet. Plug a device appliance into the Belkin Monitor. Click the 3 different buttons on the Belkin monitor to show the cost of operation, the amount of CO<sub>2</sub> produced and watts. Chart each device's results. Compare different devices. Example: CFL bulbs compared to regular.



## National Standards for Science

Grades K-4 Standard B - Different brands and models of the same electronic device can use different amounts of energy. This can be used when speaking about electronics used on a daily basis.

Grades 5-8-Standard B - Devices plugged in without being turned on can sometimes still pull an electric current. This can be used when speaking about energy consumption.