

Activity 2. Energy Consumption Scenarios

Scenario One: Making Breakfast

- 1 Turn on the light in the kitchen.
- 2 Make a healthy smoothie blend for 15 minutes.
- 3 Put bread in the toaster and toast for 15 minutes.
- 4 Clean the dishes by running the dishwasher for 1 hour.

Calculate how much electricity is used to make breakfast. Record your findings in your Launch Log and create a bar graph to show energy consumption.

- Light (1 hour)
 - Blender (15 minutes)
 - Toaster (15 minutes)
 - Dishwasher (1 hour)
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Scenario Two: Washing Laundry

- 1 Turn on the light in the laundry room each time you enter (15 mins total).
- 2 Put the dirty clothes on the washing machine for 1 hour.
- 3 Move the clothes into the dryer for 1 hour.
- 4 Iron the dry clothes for 10 minutes.

Calculate how much electricity is used to make breakfast. Record your findings in your Launch Log and create a bar graph to show energy consumption.

- Light (1 hour)
- Washing Machine (1 hour)
- Dryer (1 hour)
- Iron (30 minutes)

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Scenario Three: Doing Homework

- 1 Turn on a lamp.
- 2 Turn on both the monitor and computer desktop.
- 3 Print your homework sheet, so the printer will be active for 15 minutes.
- 4 Complete your homework in 1 hour.

Calculate how much electricity is used to make breakfast. Record your findings in your Launch Log and create a bar graph to show energy consumption.

- Light (1 hour)
 - Computer Monitor (1 hour)
 - Computer Desktop (1 hour)
 - Printer (15 minutes)
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Scenario Four: Movie Night

- 1 Turn on the light.
- 2 Turn on the television and the DVD player.
- 3 Put some popcorn in the microwave.

Calculate how much electricity is used to make breakfast. Record your findings in your Launch Log and create a bar graph to show energy consumption.

- Light (1 hour)
- Television (1 hour)
- DVD Player (1 hour)
- Microwave (15 minutes)



Oil



Coal



Wind



Oil



Coal



Wind



Natural Gas



Solar



Hydro



Natural Gas



Solar



Hydro











