## Personal Electricity Consumption Assessment

List the items in your bedroom that consume electricity and the power they require. Estimate the average hours of use (note if this is per day, per week, etc.). Multiply power (Watts) by time (hours), and use appropriate conversion factors (below) to calculate the electricity consumption in kilowatt-hours/year.

| Energy $=$ Power $*$ Time | $1000 \mathrm{~W}=1 \mathrm{~kW}$ |
| :--- | :--- |
| Power $=$ Volts * Amps | $1000 \mathrm{~Wh}=1 \mathrm{kWh}$ | | 3600 seconds $=1$ hour |
| :--- |
| 60 minutes $=1$ hour |
| 365 days $=1$ year |
| 52 weeks $=1$ year |


| Equipment | Equipment <br> Power (Watts <br> or Volts*Amps) | Average Hours <br> of Use <br> (note per day, <br> per week, etc.) | Annual <br> Electricity <br> Consumption <br> (kWh) |
| :---: | :---: | :---: | :---: |
| Desk lamp | 60 W | 3 hours <br> (per day) | $60 \mathrm{~W} \times \frac{3 \mathrm{hr}}{d} \times \frac{365 \mathrm{~d}}{y r} \times \frac{1 \mathrm{~kW}}{1000 \mathrm{~W}}=65.7 \frac{\mathrm{kWh}}{\mathrm{yr}}$ |

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