

Sample Worksheet - Template

Energy and the Environment: A Personal Impact Study

Group Info

Group Member Names:

Course & Section:

Instructor:

1. Local Energy Profile

What utility company provides your home's electricity?

Does your household use other energy sources (natural gas, solar, etc.)? If yes, list them.

What is the source of your electricity (e.g., hydroelectric, fossil fuels, nuclear, etc.)?

Where does this energy originate (region, state, or country)?

What is your local electricity rate (¢/kWh)?

2. Appliance & Device Audit

Group Member Name: _____

Appliance / Device	Power Rating (W)	Average Use (hrs/day)	kWh/day (W × hrs ÷ 1000)	Monthly kWh	Monthly Cost (\$)

Total Monthly Usage: _____

Total Monthly Cost: _____

3. Group Comparison

Metric	Member 1	Member 2	Member 3
Total Devices Audited			
Total Monthly kWh Used			
Total Monthly Energy Cost			
Highest Energy Device			
Most Used Device			

Notes / Observations:

- What explains the differences in energy usage?
- Are there any patterns among households?

4. Recommendations

Recommendation	Reason / Expected Impact	Feasibility or Challenges

5. Individual Reflection

(*Each student should complete their own reflection separately*)

- What surprised you most about your personal or group energy usage?
- Did you identify any wasteful habits or inefficiencies?
- How will you change your behavior based on this analysis?