

Sustainability: Reduce Your Environmental Impact!

Student worksheet

Name: _____

Date: _____

1. Explore Your Plan, Your Planet

In your browser, type <https://yourplanyourplanet.sustainability.google/> to open the Your Plan, Your Planet tool. Take 5-10 minutes to walk through all steps of each of the four areas (food, energy, water, stuff). Then follow the steps below.

a. Write down three things that you learned from Your Plan, Your Planet.

b. Of the facts you listed above, which surprised you the most? Why?

2. Draft Your Action Plan Proposal

Pick one of the four areas within Your Plan, Your Planet. Write down which area you chose:

Think about what actions you could implement to reduce your environmental impact in this area. These actions can include technological approaches or behavioral changes. Then follow the steps below to draft your action plan proposal.

a. Write down why it is important to reduce the environmental impact in your selected area.

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Submit your action plan to your teacher for validation.

3. Measure Your Environmental Impact

- a. For one full week, monitor your environmental impact in your selected area using the quantification method you proposed in your action plan. In this week **do not implement your action plan yet**. Keep a spreadsheet of all your data. It should include the dates, times, and values of your measurements, including their units. Share this spreadsheet with your teacher.
- b. For a second full week, implement your action plan and continue to monitor your environmental impact in your selected area using the same quantification method(s) as before. Continue to enter your data into the same spreadsheet.

4. Analyze your Data

- a. Analyze your data to calculate the effectiveness of your actions.
 - Make a single graph that compares your measurements over the two weeks.
 - Calculate by how much your environmental impact decreased in week 2 compared to week 1.

5. Present Your Results

- a. Prepare a 2–3-minute presentation that summarizes your findings for the rest of your class. The checklist below gives you more details on what to include in your presentation. Make sure to check the list before and after making your slides, so you do not forget anything. Try to limit your presentation to three to four slides.
 - Include the presentation title and your name on the first slide
 - Mention which area within the Your Plan, Your Planet tool you chose
 - State why it is important to reduce your environmental impact in your selected area
 - List all actions that you implemented to reduce your environmental impact in that area
 - Present your analyzed data and explain what impact your actions had
 - Share what you have learned from this project

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6. Reflection

- a. Write down how your total environmental impact as a class changed for each area in the second week.

Food: _____

Water: _____

Energy: _____

Stuff: _____

- b. Based on your class's presentations and the data above, if someone you knew wanted to slim down their ecological footprint, what would you tell them would be the most impactful change to start with?