

Now that you have analyzed a problem, proposed and refined a solution, and developed a pitch for your idea, you will create a technical brief describing your product and the process you used to find a solution.

**PART 1. Briefly describe your solution and how it decreases the negative impact of single-use plastics on the environment.**

**PART 2. Describe the mathematics, science, and engineering you researched to design your product. Include links to websites or other resources you used.**

**PART 3. Describe the decisions you made to choose your design and the challenges you had to overcome.**

**PART 4. How did developing your Key Business Proposition and related Business Models Type affect your process?**

**PART 5. Your final solution probably looked different from your original idea. Describe the process for how you developed your idea from start to finish.**

### PART 6. How well do you think your solution will work under real-world conditions?

Just a little	Somewhat	Fairly Well	Almost Completely

*Explain your reasoning.*

### PART 7. Fully describe your Pollution Solution based on the questions below.

1. What liquid consumer product did you choose to repackage?
  - a. Describe the liquid product you chose to repackage and sell as part of your business.
  - b. Explain why you chose this item.
2. How will you package your liquid product?
  - a. Sketch your container and include all dimensions with correct units.
  - b. Describe the volume of liquid your container will hold. Use calculations to justify your answer.
  - c. Explain how you decided on the size and shape of your packaging.
3. How will you ship your product?
  - a. Sketch the shipping container you will use to ship your product. Include all dimensions with correct units.
  - b. Show how you will safely package your product in the shipping container.
  - c. Describe how much of your product can be shipped in each shipping container. Use calculations to justify your answer.
4. How will your product help the environment?
  - a. Describe the materials used to make the container.
  - b. Describe how your company will get the materials needed to make the container.
  - c. Explain why using these materials will make your liquid container better for the environment than plastic.