

MAKER JOURNAL

Name: _____

Date: _____

Project/Unit: Reduce Human Impact on the Environment**Lesson:** 4 Design Challenge: Prototyping

Record the criteria and constraints for your design. **Criteria** are the things we want the prototype to do. In this case, we want to make something that will reduce our impact on the environment as much as possible. And **constraints** are the limits that we put on the design so that it will be useful. Add criteria and constraints to this table that your class or group has agreed upon.

Criteria	Constraints
Must reduce human impact on the environment	Must use materials provided
Must reduce personal carbon footprint	

Once you have created your first prototype, draw and describe it here: label and describe each of the functions of the design. Include ways that the prototype meets the criteria and constraints.

Draw and label your *prototype*