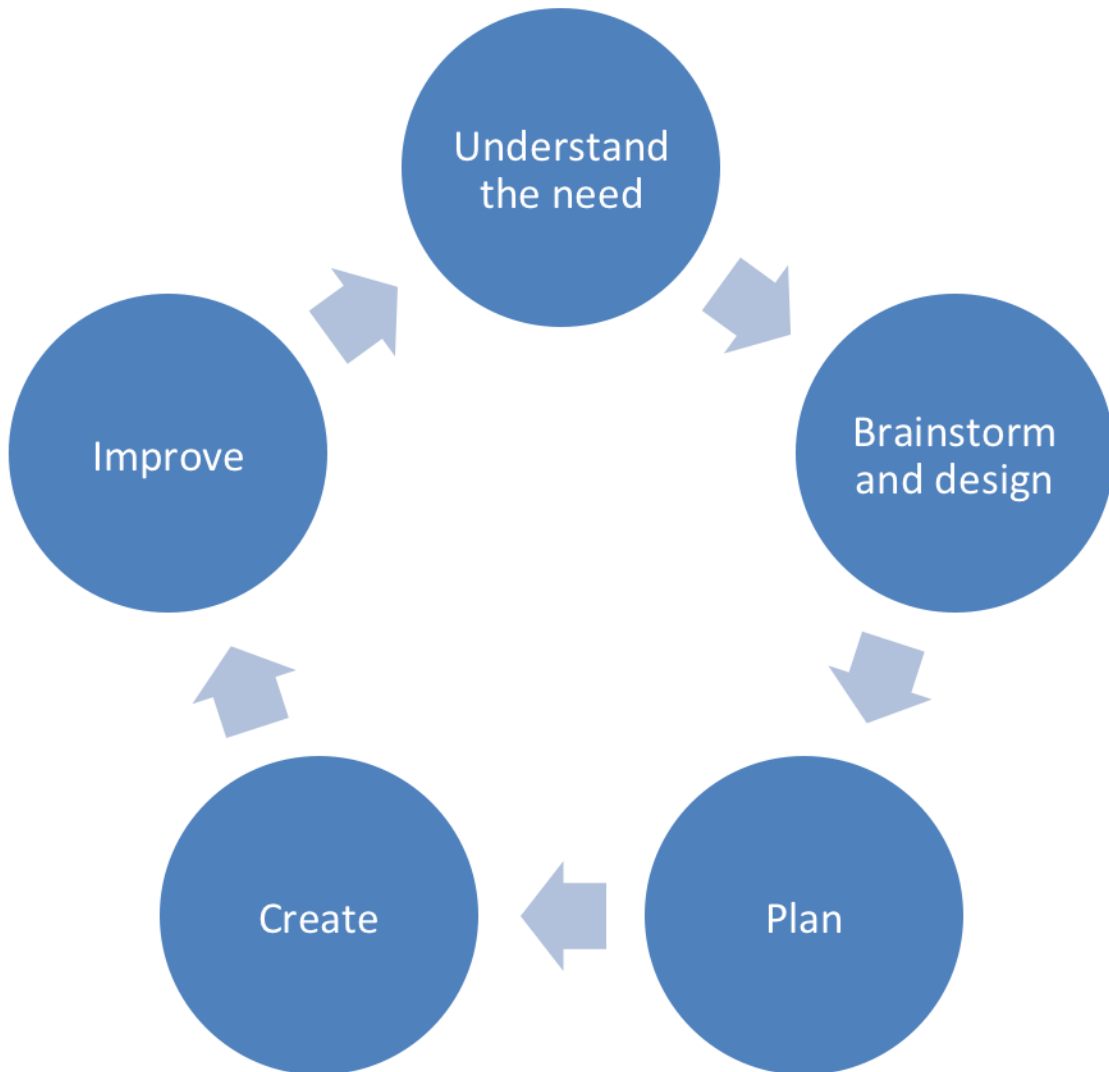


ENGINEERING PORTFOLIO

Name: _____ Homeroom: _____

Title of challenge: _____

The engineering design process



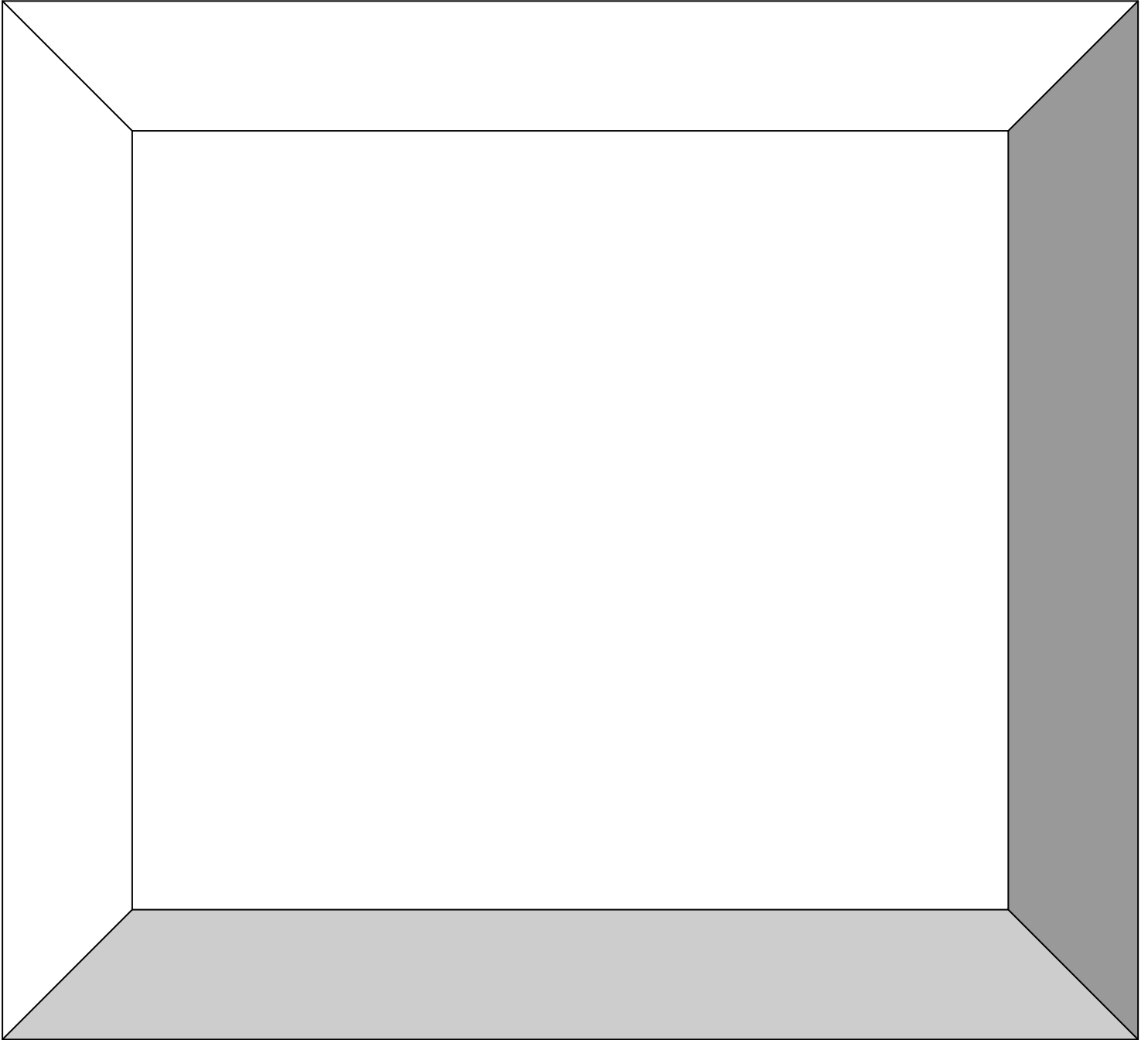
You will be following these five steps in your project.

In the space provided, describe the problem you are facing. (Read the material provided.)

What are the constraints?



Brainstorming: List all the group's ideas



Draw a detailed, labeled drawing of your prototype.

Collect your materials and begin building. List the materials below.



Test your prototype. Write a brief report on the success of your prototype. Include any improvements you would make in the next version of your device.

A large, empty circle with a thin black outline, intended for the student to write their report on the success of their prototype and any improvements they would make.

Prepare a three-minute speech in which you describe:

- 1) the problem**
- 2) your solution**
- 3) any previous work (you may look at patents that
have been produced in this area)**
- 4) demonstration of your device**

BE READY TO PRESENT YOUR SOLUTION