

1.5.4. Morpho Matrix

Name and Group: _____

Date: _____

First, write down *functions* your solution needs to have in the function column. Then, ideate different *structures* that can accomplish each function. Sketch your structure idea in the box and include a description and any labels that are necessary to understand your idea.

Function	Structure Idea 1	Structure Idea 2	Structure Idea 3	Structure Idea 4	Structure Idea 5
Function 1:					
Function 2:					
Function 3:					
Function 4:					

Be sure to keep track of which Structure Idea you are taking from each Function. You will log what you are combining by circling the structure ideas on the table above. Use a different color pen for each combination.

Next, sketch the design that comes from combining the structure ideas you circled above. Label the components of your design.

Combination 1:



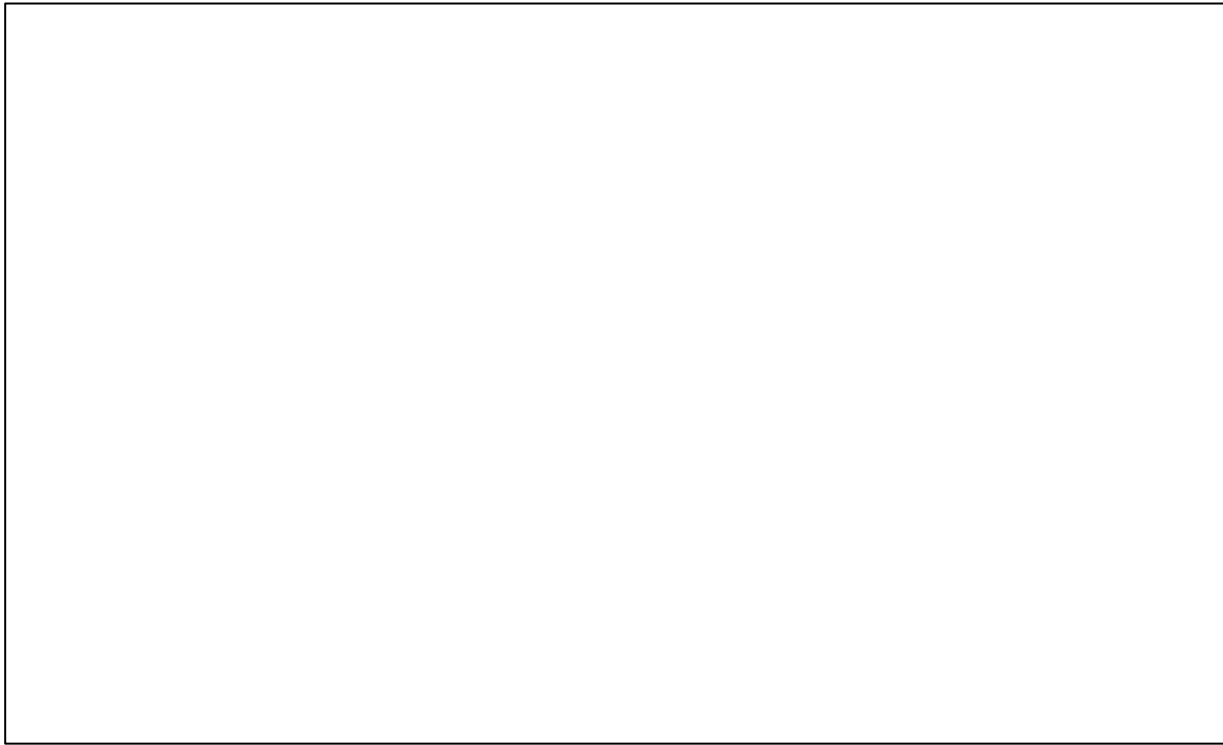
1. How well does the Combination 1 design idea meet your requirements?

2. What changes, if any, do you need to make to the Combination 1 design idea so that it fulfills the requirements? List these changes here and make those changes to your sketch of Combination 1 using a different pen color.

3. What are the strengths of this design idea? What are the weaknesses?

Now, you will create another combination from your morpho matrix. Circle the structure ideas you choose for this combination in a different color pen than you used above.

Combination 2:

A large, empty rectangular box with a thin black border, intended for drawing or writing a design idea for Combination 2.

1. How well does the Combination 2 design idea meet your problem requirements?
2. How is Combination 2 different from Combination 1? Does it fulfill the problem requirements better?
3. What are the strengths of this design? What are the weaknesses?

4. Which design would you move forwards within the design process?

Upload your best design to Ideate in the EDPL.