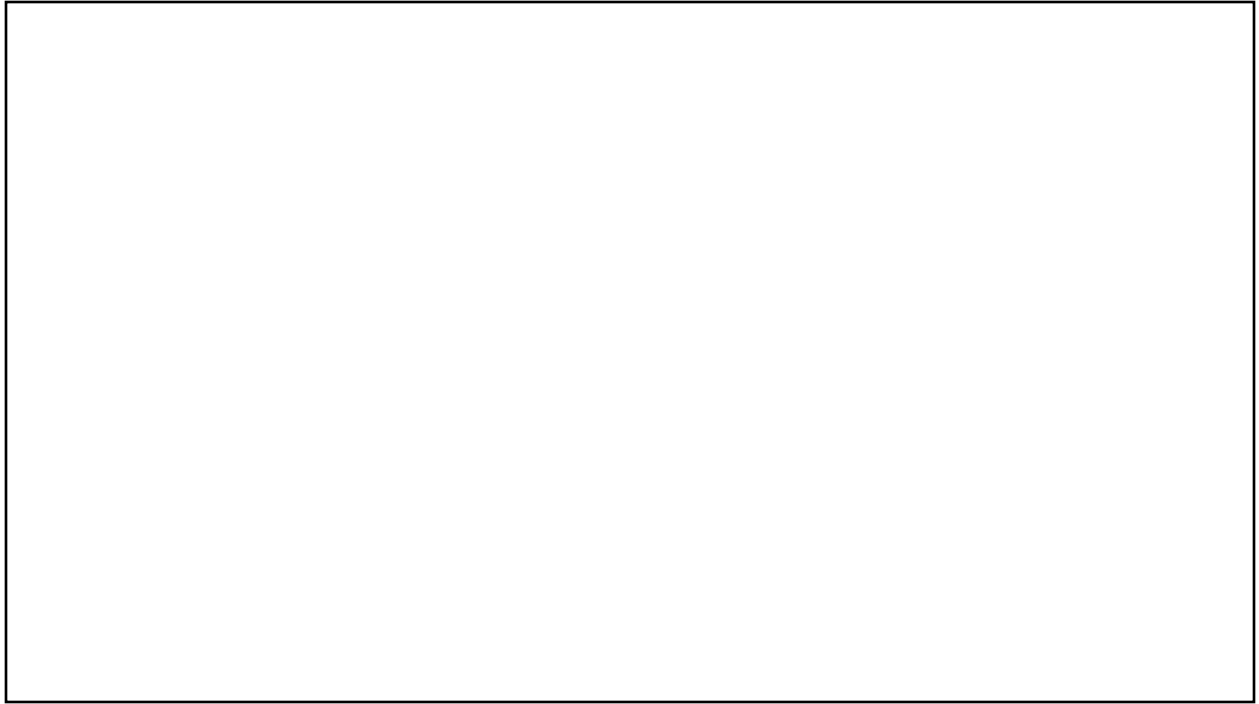


## Robot Design Planner

Think of a problem that could be solved by a robot:

Make 2 sketches of different design solutions to your problem. Then list the variables:

Fixed Variables	Variables



Fixed Variables	Variables

**Make a pros and cons list for each sketch and decide which robot you think will be most successful:**

Robot 1 Pros	Robot 1 Cons	Robot 2 Pros	Robot 2 Cons

**Selected robot:** \_\_\_\_\_

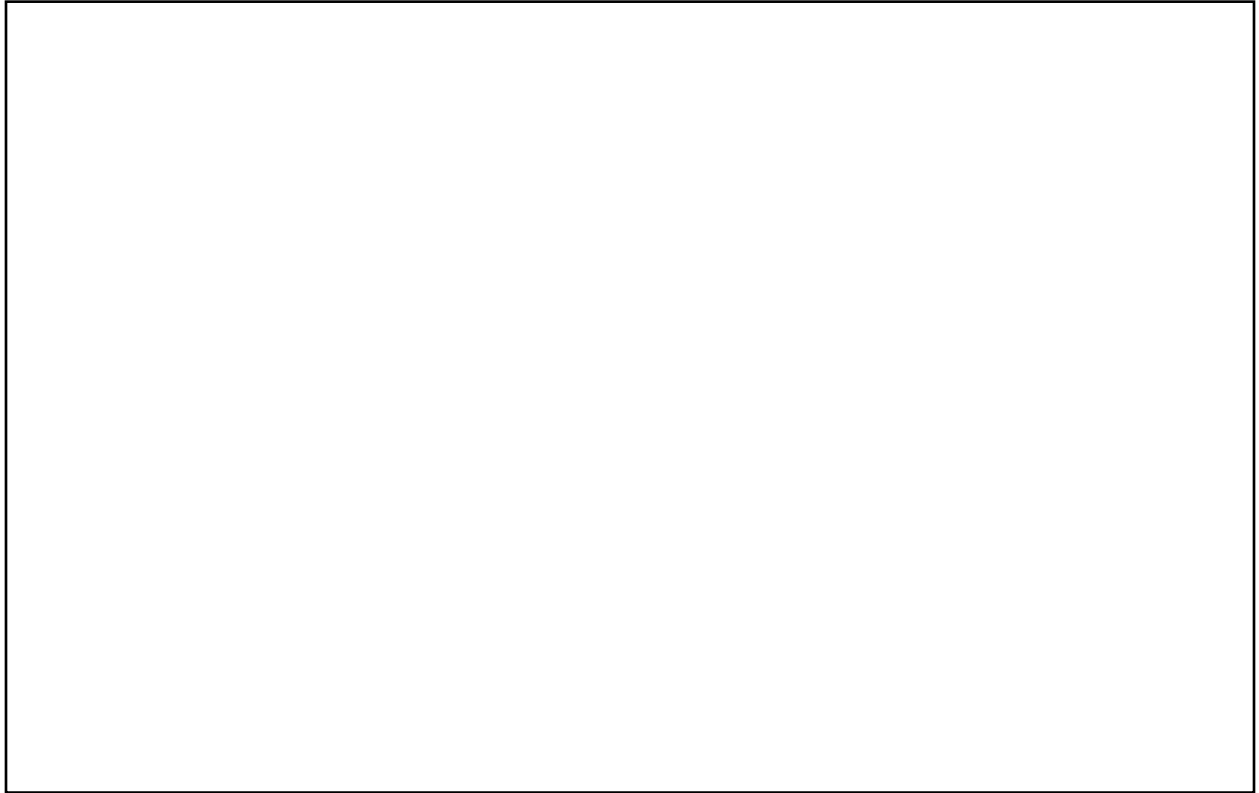
List the *Mechanical Elements* your robot needs to function:

- •  
•  
•

**List the materials you will need to build your robot (*BONUS for recyclable materials*):**

- .....

**Make a piece-by-piece diagram of your robot and label each part. Include the size/dimension of each.**



**Make a final product diagram of your robot and label each part.**

