**Names: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**BioMimicry Glider Design**

*Use the information sheet given, as well as the internet to research your natural models. These models will serve to inspire the design of your glider.*

|  |  |  |
| --- | --- | --- |
|  | **Animal Model:** | **Plant Model:** |
| **Size** |  |  |
| **Sketch and label mechanisms of flight/glide** |  |  |
| **Are they similar or different? HOW?** |  |
| **How does it take off?** |  |  |
| **Why does it need to glide or fly? (What purpose does it serve your model?)** |  |  |
| **Find your own fun and interesting fact about this animal or plant and write it here.**  |  |  |

***\*\*\*If you have time, see if you can find videos on YouTube of your natural models flying or gliding.\*\*\****

**DESIGN YOUR GLIDER**

*Use notebook paper to work with your partner and design a glider using one or both of your natural models as inspiration.*

***GOAL:*** Your glider will be dropped from a height of 80 feet; your goal is to stay airborne the longest.

***YOUR GLIDER MUST:*** -be inspired by your natural models

 -be no bigger than half a table (75 cm)

 -carry a 6 gram washer

 -have a name!

**In the space below, draw your FINAL sketch of your design.**