



MAKER JOURNAL

Name: _____

Date: _____

Unit: Effects of Structural Gene Changes on Proteins and Traits

Lesson: Design Challenge - Prototype

Draw a picture of your organism model and label the main structures/traits, especially the mutated traits.

Criteria (design requirements)	Constraints (design limitations)
<ul style="list-style-type: none"> • Model is recognized as the organism of interest • Model includes at least one mutated trait (due to point mutation) • Mutated trait should be easily visible (can be exaggerated to make it stand out) • Model stays intact (does not fall apart) • Model is portable 	<ul style="list-style-type: none"> • Model must be built with only the materials provided • Model must be completed and tested in the given time • Model must include <u>8 different materials</u> NOT including fasteners or adhesives • Model must not be secured to the ground in any way

Prototype: Draw and label your model

Consider drawing multiple perspective of your model (front, side, top, bottom)