

NAME _____

Make Hybrid Connections

Earth is home to more than 390,000 plant species! They have specific traits, many of which are useful in a plant hybrid. Imagine that you are a horticulture professional traveling the world to research amazing plants and their flowers and fruits. Record the characteristics of four unique plants in the space below.

Plant name:

Region/location:

Climate and habitat:

Characteristics:

How could this plant be used in a hybrid to solve a problem or social need?

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Region/location:

Climate and habitat:

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Plant Mash-Up!

DEADLINE
MARCH 1, 2021



INSTRUCTIONS Consider the characteristics of two existing plants and use them to create your own plant mash-up with new qualities. You can use any plant you can think of, but here are some to get you started. Make sure your final thoughts all fit on this page!



Bamboo

- * Strong and lightweight building material
- * Spreads quickly and helps prevent soil erosion
- * Bamboo shoots provide food for animals and humans



Aloe Vera

- * Sap is healing to human skin
- * Requires little water but needs warm weather to thrive
- * Juice is nutritious and packed with vitamins and minerals



Water Lily

- * Helps to purify water by absorbing pollutants through roots and leaves
- * Produces beautiful flowers and distinctive pads
- * Lily pads provide food for small animals as well as shelter for fish



Dendrobium Orchid

- * Cane-like stems with papery green leaves and beautiful flowers
- * Filters air of pollutants
- * Takes in carbon dioxide; releases oxygen at night



Red Clover

- * Deep roots make it drought tolerant and helps control soil erosion
- * Tasty and nutritious food source for humans
- * Attracts pollinators, especially bumblebees



Lemon Tree

- * Flavorful fruit is a rich source of vitamin C
- * Juice from the fruit is antibacterial and an excellent cleaning agent
- * Essential oil used in aromatherapy for stress relief

Name the two plants you are combining:

1. _____ 2. _____

Name the challenge: _____

Illustrate your hybrid below:

In the space below, describe the features of your hybrid and how it will help your community.

Student Name: _____ Student Grade: _____

Teacher Name: _____ Teacher Email: _____

School Name: _____ School Address: _____

School City/State/Zip: _____

Plant Mash-Up Contest!

Rubric + Judging Criteria

The rubric below describes a successful project. Plan for success by referring to it throughout your creative process as you outline, write, and edit your work. The contest judges will use these criteria to pick winners. Your teacher may also use this sheet to grade your work.

CRITERIA What does a winning entry look like?	Possible Points	Points Earned
1. Description: How well does the description explain: <ul style="list-style-type: none">the two plant sources of the hybridthe hybrid's featureshow the hybrid will benefit others (such as by addressing a specific challenge)	40	
2. Drawing: How well does the drawing represent the hybrid? Does the drawing clearly include features from both original plants?	30	
3. Creativity: How creative is the selection of the plant sources? How creative is the way the hybrid benefits the community (and addresses a challenge)?	30	
TOTAL POINTS	100	