

Name: _____ Due Date: **December 22, 2014**

Designer Plant
Adaptation Project

1. **Complete Designer Plant Bold Questions (Due Friday 12/12)**
2. **Draw your “designer plant.” Remember to include labels, measurements, and color. (Colored Pencil Only.) Due Tuesday 12/16**
3. **Create** a model of your plant out of recycled materials. These items may be found in nature or your trash. Your organism dimensions must be smaller than 12 inches high, 12 inches wide, and 12 inches long. These dimensions can be your choice but keep it within 12X12X12. **Label** all parts of the plant. These may be typed or handwritten and attached to your plant model. **Due Monday 12/22.**
4. **Write** a news report that describes the new plant researches have found! (your plant!) include the following:
 - I. Habitat –
 - i. Where does your plant get food?
 - ii. Where does your plant get water from?
 - iii. What does the space around the plant look like?
 - iv. Explain how the plant is sheltered.
 - II. Physical Adaptations-
 - III. Behavioral Adaptations-
 - IV. Transfer of Energy
 - i. Explain how your plant goes through the process of photosynthesis.

Questions to Guide Your Thinking

Please answer bold questions for Friday 12/12. These may be typed on or written on a separate sheet of paper. Answers must be in complete sentences.

- 1. What biome is your plant's habitat in?**
2. Describe your plant's habitat.
3. Describe the size of your plant (include measurements).
- 4. How does your plant receive the nutrients necessary for photosynthesis? (Include both physical and behavioral adaptations)**
- 5. Describe physical and behavioral adaptations that help you plant get water.**
- 6. List physical and behavioral characteristics that your plant has to take in CO₂.**
7. What does your plant use as shelter or protection from climate/ weather?
- 8. Describe physical and behavioral adaptations that help your plant protect itself from predators or other animals.**
- 9. How will you create this plant? What materials do you plan to use?**

