**Plants- Part 1 Plant Structures**

6.L.1.1- Summarize the basic structures and functions of flowering plants required for survival, reproduction and defense.



 **Plant Body**

* + - * + Roots
				+ Stem
				+ Leaf
				+ Fruit
				+ Seed
				+ Flower
* ***Roots***– Structures that \_\_\_\_\_\_\_ the plant to the \_\_\_\_\_\_, absorb water and \_\_\_\_\_\_\_\_\_\_, and store nutrients. Examples: \_\_\_\_\_\_\_\_, sweet potatoes, carrots, beets, \_\_\_\_\_\_\_

***Stem***- The main\_\_\_\_ of the plant. Provides \_\_\_\_\_\_\_\_ for leaves,\_\_\_\_\_\_\_ fluids, and \_\_\_\_\_\_ nutrients. Examples: Cinnamon, \_\_\_\_\_\_\_, bamboo,\_\_\_\_\_\_\_\_\_\_

***Leaf*-** The primary \_\_\_\_\_\_\_\_ of\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in plants. Stores \_\_\_\_ and \_\_\_\_\_ for plant- examples: \_\_\_\_\_\_, spinach, \_\_\_\_\_, rosemary, thyme, \_\_\_\_

***Fruit***- The ripened \_\_\_\_\_ of a \_\_\_\_\_\_\_ plant. Provides \_\_\_\_\_\_\_\_\_\_, dispersal, and \_\_\_\_\_\_\_\_\_ for seeds. Examples: apples, \_\_\_\_\_\_\_, tomato, orange, \_\_\_\_\_\_\_\_, blue berries

***Seed*-** Used by \_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_. Contain an \_\_\_\_\_\_\_ (baby plant), a protective \_\_\_\_\_\_, and \_\_\_\_ for the embryo to \_\_\_\_\_\_\_. Some plants have \_\_\_ seed, some have \_\_\_\_. The process of a seed developing is called \_\_\_\_\_\_\_\_\_\_\_\_. Examples: Peanuts, \_\_\_\_\_\_, wheat, \_\_\_\_, mustard, black pepper.

***Flower***- \_\_\_\_\_\_\_\_\_\_\_\_ system of plants . A plant that produces a flower is called an \_\_\_\_\_\_\_\_\_\_. A plant that \_\_\_\_ \_\_\_\_ produces a flower is called a \_\_\_\_\_\_\_\_\_\_- bear the \_\_\_\_\_ that contains the \_\_\_\_ of the plant. The world’s smallest flower is the Wolffia duckweed. (.02 inches across) . The world’s largest flower is the Rafflesia. (over 3 feet across and weigh nearly 25 pounds.) Examples: \_\_\_\_\_\_\_, cauliflower, \_\_\_\_\_\_\_\_\_

Review Questions

* Which term describes a category of plants that produce seeds inside of a flower?
	1. Gymnosperm
	2. Angiosperm
	3. Stamen
	4. Anther
* Which term describes a category of plants that does **not** produce a flower?

*a)* Gymnosperm

b) Angiosperm

c) Pistol

d) Sepal

* State the part of the plant that serves four functions: Support, transport of fluids, storage of nutrients, and the production of new living tissue?
	1. stem
	2. root
	3. petal
	4. flower
* Which term describes a part of the plant that penetrates soil and rock in order to absorb water and nutrients?
	1. petal
	2. root
	3. stem
	4. sepal