**Unit 2: Plant Growth and Development**

You should be able to 1) define, 2) identify and/or state the function, and 3) classify vegetative or reproductive purpose for each of the words listed below:

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| testa- |
| micropyle- |
| imbibition- |
| monocot- |
| dicot- |
| cotyledon- |
| endosperm- |
| embryo- |
| radical- |
| plumule - |
| hypocotyl- |
| epicotyl- |
| true leaves- |
| root- |
| root cap- |
| zone of elongation- |
| zone of maturation- |
| root hairs- |
| stem- |
| nodes- |
| internode- |
| lenticels- |
| terminal bud-  leaf scale scar-  leaf axil- |
| axillary bud- |
| petiole- |
| leaf - |
| leaf base- |
| leaf margin- |
| midrib- |
| Flower  Petals-  Sepals- |
| Pistil |
| -stigma |
| -style |
| -ovary |
| -ovules |
| Stamen |
| -anther |
| -filament |
| -pollen |
| pollination |
| fertilization- |

**Possible Essays:**

\* Be able to write about using your assignments in class to compare and contrast how seeds germinate and plants grow.

\* Use your observations from your class participation to discuss how growth rates can vary greatly within the same species, and sometimes cultivar based on environmental factors.

\* Compare and contrast root types (tap, fibrous, aerial, adventitious): appearance, purposes, functions, and applications.

\*Understand the functions of stems, that there are several variations of stems, and be able to label parts on a real stem.

\*Understand the functions of leaves and be able to label leaf parts.

\*Be able to label parts of a complete flower, and classify which parts are male and/or female.





