

- Identify where the following are found or take place in a plant:
 - Carbon dioxide absorption
 - Water absorption
 - Xylem & Phloem
 - Photosynthesis
 - Root Hairs
 - Stomata
 - Lenticels
- Describe what strategies a plant has for staying upright.
- Define each of the following: lignin, phloem, stomata, xylem, lenticels
- Compare and contrast: C3 plants, C4 plant, CAM plants, legumes.
- Explain two reasons why the Calvin Cycle is impaired in hot and dry weather in C3 plants.
- Define Rubisco and state its function.
- Summarize how C4 and CAM plants prevent interruptions to photosynthesis in hot and dry weather.
- Explain how a C4 plant is different from a CAM plant.
- Define nitrogen fixation.
- Explain how legumes utilize their root nodules for nitrogen fixation.
- Provide examples of each: C3, C4, CAM, legumes.
- State how a legume as a crop provide additional value for farmers