

PLANT PHYSIOLOGY Lecture 2 - Levels of Organization & What is life?

- I. Definition of plant physiology**
 - A. Study of plant function**
 - 1. Plant molecular biology
 - 2. Plant biochemistry
 - 3. Plant metabolism
 - 4. Plant cytology
 - 5. Plant anatomy
 - 6. Crop physiology
 - 7. Environmental physiology
 - 7. Physiological ecology
- II. Levels at which plant physiology is studied**

<ul style="list-style-type: none">A. Subatomic particleB. AtomC. MoleculeD. **Protein (enzyme)E. OrganelleF. CellG. TissueH. Organ	<ul style="list-style-type: none">I. Organ systemJ. Multicellular organismK. PopulationL. CommunityM. EcosystemN. BiomeO. Biosphere
---	--

SAM POCTOOMP Can Eat Big Bananas

- III. Class approach to studying plant physiology**
 - A. Chemistry**
 - B. Anatomy**
 - C. Metabolism**
 - 1. Photosynthesis
 - 2. Respiration
 - 3. Other metabolism
 - D. Molecular manipulations**
 - E. Xylem transport and nutrition**
 - F. Phloem transport and partitioning**
 - G. Growth and development**
 - H. Plant growth regulation**
 - I. Responses to environment**
 - J. Crop physiology & ecological aspects**