

Homework Assignment as Preparation for "Land Plant Mini-Lab"

Next week we will do a mini-lab on plant evolution.

In preparation for this lab, please complete the following assignment at home. Write your answers down and bring them to class with you.

1. Consider the five major groups of terrestrial plants: bryophytes, seedless vascular plants, gymnosperms, monocots, and dicots. What are the defining characteristics of these five plant groups?
2. Can you name three examples of plant species that belong to each plant group?
3. What is the oldest clade (group) of organisms? What is the youngest clade (group) of organisms?
4. What major evolutionary transitions occurred during land plant evolution?
5. Please bring some live examples of these plants to class on Wednesday, Nov. 22.

Bryophytes

Seedless vascular plants

Gymnosperms

Monocots

Dicots