

3. Name two substances that get transported within plants. Name the organ where each substance enters the plant, name the vessel in which it is transported and the where each substance is transported to.

4. What are vascular bundles? Discuss the arrangement of vascular bundles in the stems of monocots and eudicots.

Lectures 3 and 4 Floral Characteristics

1. Name and describe the function of each of the whorls of modified leaves that make up a typical flower (perfect and complete).

12. What is the function of fruit?

Lectures 6 and 7 California Flora

1. What is a Floristic Province? Name and describe the three floristic provinces that occur in California.
2. Which book is recognized as being the definitive reference of California Plants?
3. Name the six plant families in California with the greatest number of species. What percentage of Californias plant species belong to these six families?

3. Provide an example of a correctly worded latin binomial for a Californian Native plant of your choice. Indicate with arrows the genus and species names.
4. Describe the protocol for writing a plant name using binomial nomenclature [19]
When is it permissible to abbreviate the genus name?

Lecture 9 Major Plant Groups

1. When (give or take a million years or so), did the first land plants appear?
2. Mosses are described as poikilohydric, what does this term mean, and explain why this is a useful adaptation to have.
3. Which familiar plants belong to the Division Pteridophyta?

4. Draw and label a diagram of the life cycle of a typical fern.

5. What does conifer mean?

6. What does gymnosperm mean?

7. What does angiosperm mean?

8. What two innovations set angiosperms apart from gymnosperms?

9. Name the two major classes within the angiosperms.

10. What is a cotyledon?

11. Construct a table in which you compare the structures of monocotyledons and dicotyledons. (you should be able to name 5 differences)

Lecture 10 Photosynthesis

1. What is photosynthesis?

2. What is the overall equation for photosynthesis? (must be balanced)

