Honors Biology Chapter 21, 22, 23

Study Guide

Chapter 21

Characteristics of plants

Adaptation of plants

Cuticle

Function of the cuticle

Stoma

Function of the stoma

Epidermis

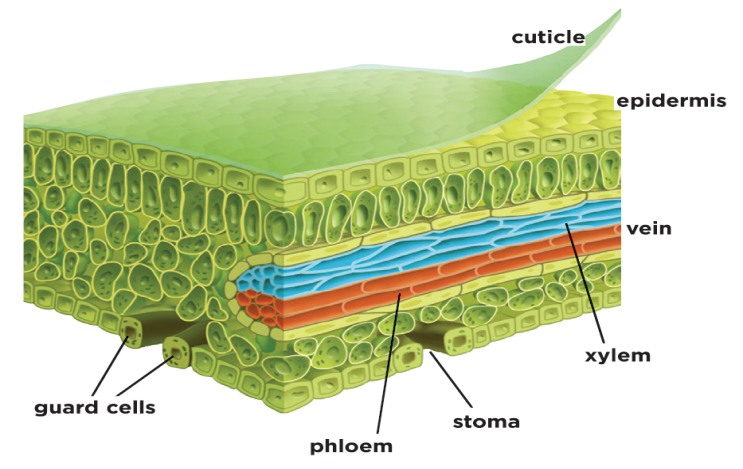
Vein

Xylem

Phloem

Guard cells

Label the cross section of a plant



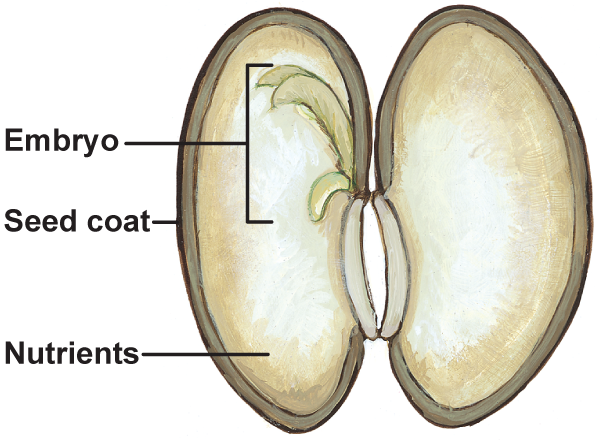
Vascular tissue

Seed

Seed coat

Nutrients of a seed

Label a seed



Gametophyte

Sporophyte

Plant categories & sub categories (define)

Chapter 22

Three types of plant cells (define)

Functions of types of plant cells

Plant tissue (define)

Meristem

Root hairs

Vessel elements

Sieve-tube member

Companion cells

Roots

Structure of root (root cap, cortex, endodermis)

Types of roots (define)

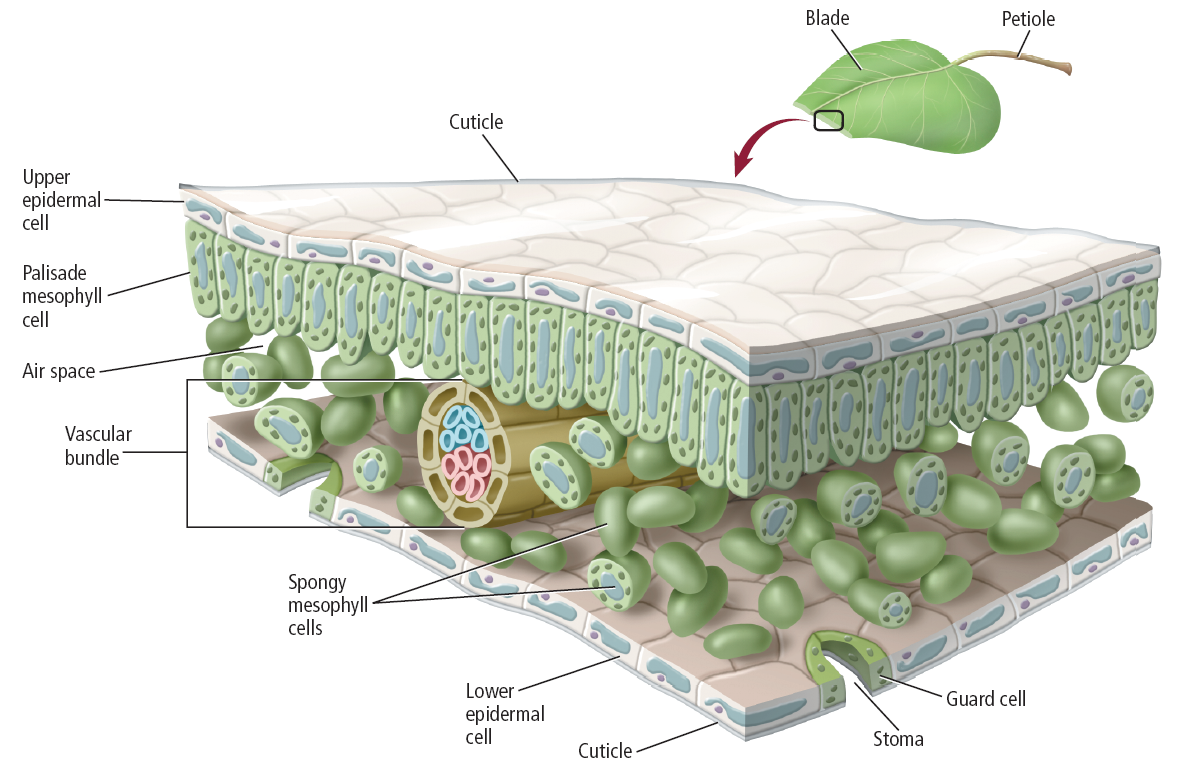
Stem structure and function (monocot & dicot)

Leaf structure (blade , petiole, palisades mesophyll layer, spongy layer)

Leaf type (simple and compound)

Leaf modifications

Label the leaf structure

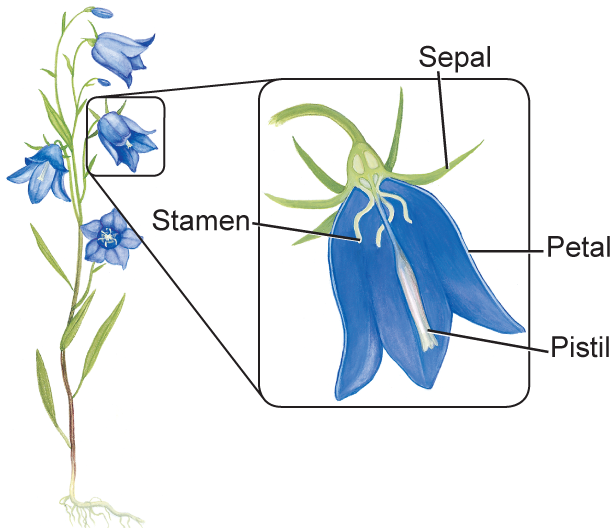


Chapter 23

Pollination

Flower organs (define)

Label organs on a flower



Flower adaptations

Complete flower

Incomplete flower

Perfect flower

Imperfect flower

Monocots

Dicots

Pollination Mechanisms