Lab 31
Kingdom Plantae: Angiosperms
Phylum Anthophyta (sporophyte)

Flower dissection

Dissect the flower and Sketch your dissected flower parts and labeled them using Figure 31.3 in the space provided

Sketch cross section of ovary under the dissecting scope

Look at the flowers available in lab
In your handout list
3 monocots
And 5 dicots
Phylum Anthophyta (female gametophyte)

Procedure 31.4 (prepared slide of *Lilium* nucleate embryo sacs)

Sketch and label ovary and one ovule
Phylum Anthophyta (male gametophyte)

Procedure 31.2 (prepared slide of *Lilium* anther tetrads)

Sketch the tetrad and label a microsporangium, pollen grain AND FILAMENT
Phylum Anthophyta (dicot seed)

Procedure 31.6

Dissect a lima bean seed

Follow steps 1-3

Sketch the inside and label cotyledon, EMBRYO, shoot apex, and root apex
Phylum Antherophyta (corn grain)

Procedure 31.7 (prepared slides of corn grain with embryo)

Follow step 1, sketch and label: EMBRYO, Root, shoot apex, cotyledon, endosperm,
Answer questions page 353

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