

Name: _____

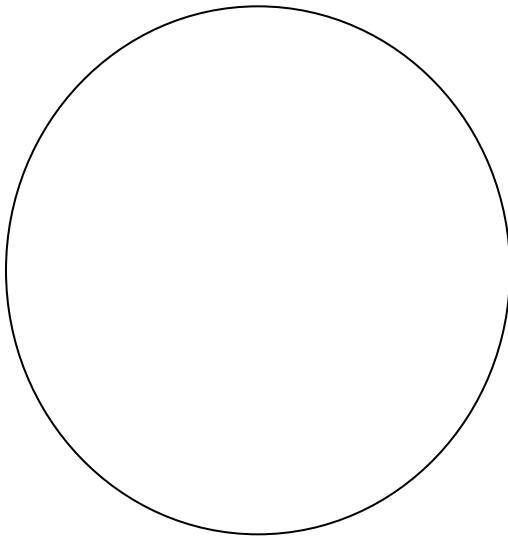
Date: _____ Period: _____

Life Science 7

Identifying Plants Lab

Directions: View each of the organisms listed below. Draw what you see under the microscope. Use figure 2 (p315), figure 4 (p316), figure 5 (p317) and Fig 7 (p318) to help. Identify which group of flowering plant the organism belongs to. Make sure to identify the total magnification of your picture!

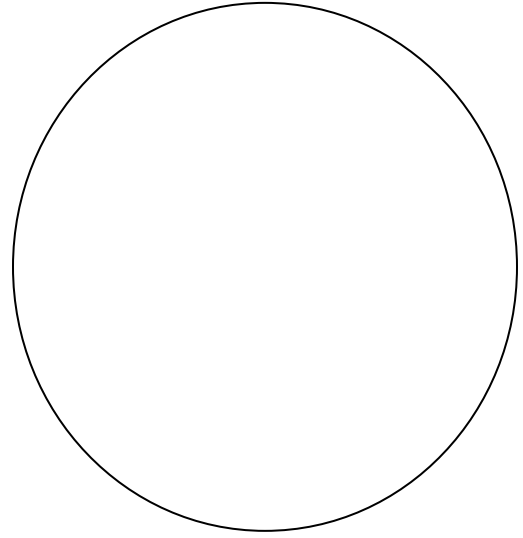
Part 1) Roots (Identify epidermis, growth region, root cap, xylem and phloem where appropriate)



Allium, mitosis (l.s.)

Total magnification: _____

Group of plant: _____

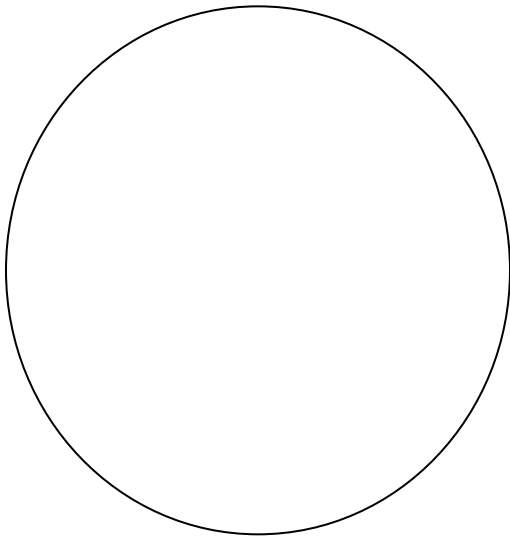


Lilium (c.s.)

Total magnification: _____

Group of plant: _____

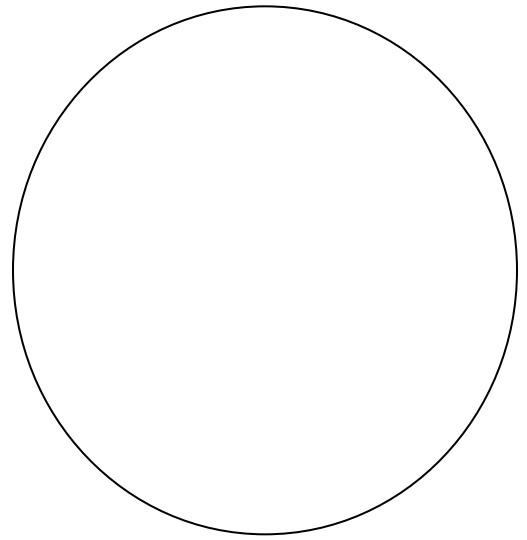
Part 2: Stems (identify xylem, phloem, epidermis)



Typical Annual Dicot Stem (c.s.)

Total magnification: _____

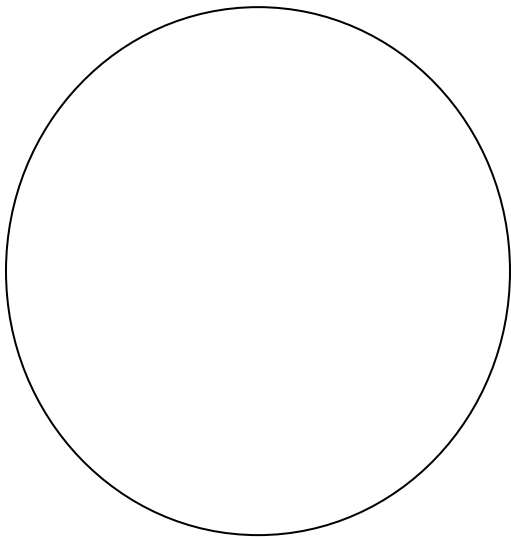
Group of plant: _____



Monocot and Dicot Stems (only 1 slide!!)

Total magnification: _____

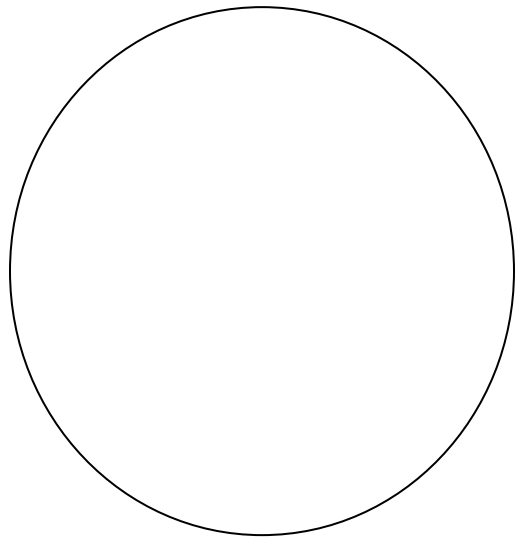
Group of plant: _____



Tilia, older stem (c.s.)

Total magnification: _____

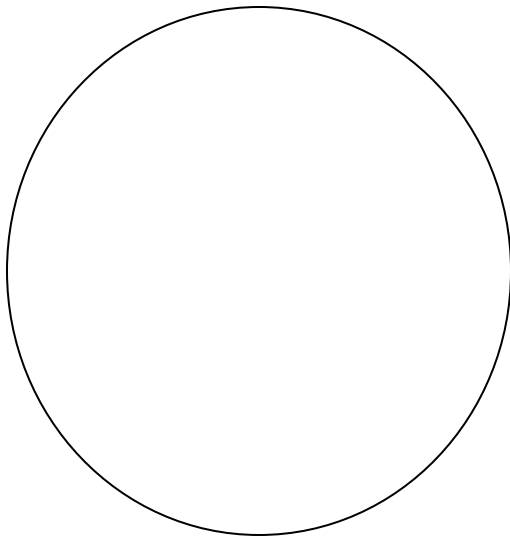
Group of plant: _____



Cross section Mint Stem

Total magnification: _____

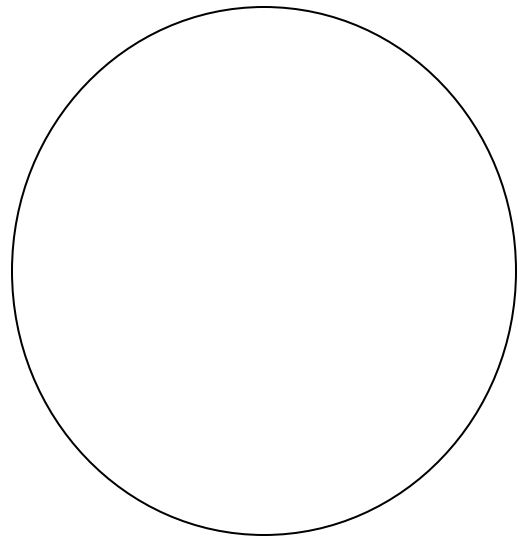
Group of plant: _____



Lilium stem (c.s.)

Total magnification: _____

Group of plant: _____

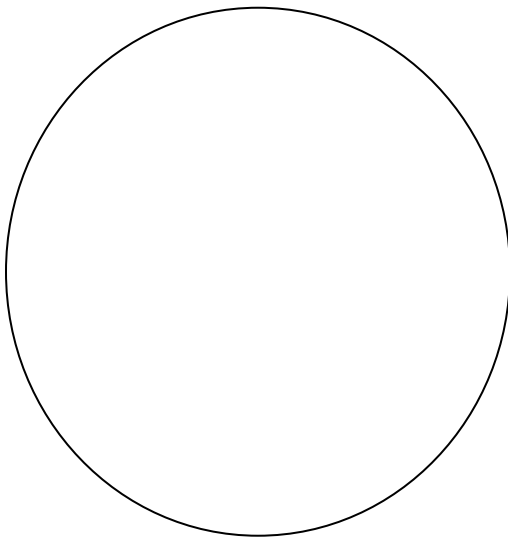


Ranunculus stem (c.s.)

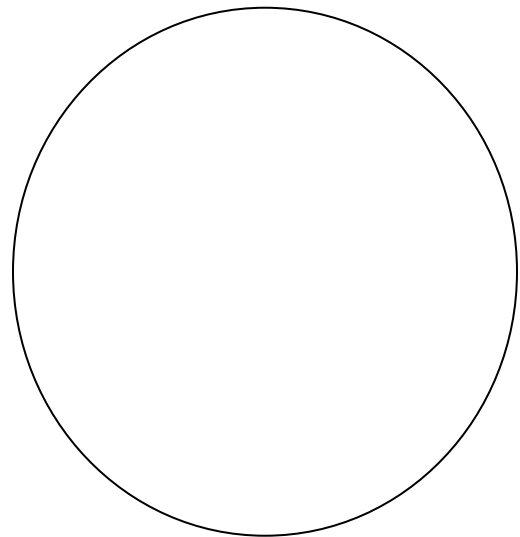
Total magnification: _____

Group of plant: _____

Part 3: Leaves. (Identify *cuticle*, *upper epidermis*, *palisade layer*, *spongy layer*, *lower epidermis*, *vein*, *xylem*, *phloem*, *guard cells*, *stomata*)



Zea leaf (c.s.)



Ligustrum leaf (c.s.)