

PLB 105 Fall 2010

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Sections:
Lab rooms:

Lab 1 No title specified

Sep 23, 2010

Quantity	Plant Material	Date planted	Days	Directions
2 plants	Anthurium	Sep 23, 2010		Enter directions here
2 - 6" pots	Bean	Sep 16, 2010	7	20 seed/pot
4 - 6" pots	Bean	Sep 6, 2010	17	15 seed/pot
6 - 6" pots	Bean	Aug 26, 2010	28	6 seed/pot 4pl/pot
20 flowers	Tradescantia stamen trichomes	May 26, 2010	120	Repot

Lab 2 The Plant Cell and Xylem Regeneration Experiment - part 1

Sep 28, 2010

Quantity	Plant Material	Date planted	Days	Directions
2 pkg.	Apium(celery)	Sep 28, 2010		Enter directions here
A few	Aridisia petiole	Sep 28, 2010		Enter directions here
2	Begonia petiole	Sep 28, 2010		
	Carrots	Sep 27, 2010	1	Purchase from store. 1 bag
17 - 6" pots,	Coleus	Sep 4, 2010	24	3 cuts/pot
	Elodea stems	Sep 28, 2010		
A few.	Lavendula leaf	Sep 28, 2010		Enter directions here
	Lemna	Sep 28, 2010		
2	Onion bulbs, white	Sep 28, 2010		Enter directions here
50	Pereskia leaf	Sep 28, 2010		Enter directions here
	Pilea cadierei	Sep 28, 2010		
6	Potatoes, small baking	Sep 27, 2010	1	Purchase from store.
2	Red bell pepper fruit	Sep 28, 2010		Enter directions here
	Tradescantia zebrina	Sep 28, 2010		

Lab 3 Parenchyma and Collenchyma

Sep 30, 2010

Quantity	Plant Material	Date planted	Days	Directions
3 - 6" pots	Cucurbita	Sep 7, 2010	23	6seed/pot 3pl/pot

	Eichornia petiole	Sep 30, 2010		
	Juncus stem	Sep 30, 2010		
2 - 5.5" pots	Medicago	Aug 13, 2010	48	8seed/pot
6	Nymphaea petioles	Sep 30, 2010		Enter directions here
6	Pear fruit	Sep 30, 2010		
	Petasites petioles	Sep 30, 2010		
	Sambucus	Sep 30, 2010		
	Sansevieria	Sep 30, 2010		
	Smilax root	Sep 30, 2010		

Lab 4 Sclerenchyma, Lab Quiz

Oct 5, 2010

Quantity	Plant Material	Date planted	Days	Directions
A few	Linum usitatissimum stems	Oct 5, 2010		Enter directions here
6	Pear fruit	Oct 5, 2010		Enter directions here
A few	Podocarpus leaves	Oct 5, 2010		Enter directions here
	Sanserieria	Oct 5, 2010		

Lab 5 Epidermis

Oct 7, 2010

Quantity	Plant Material	Date planted	Days	Directions
	Agrostis	Oct 7, 2010		
2 - 6" pots	Bean stomata	Sep 12, 2010	25	6 seed/pot 3pl/pot
	Begonia leaf, clustered stomata	Oct 7, 2010		
25	Begonia leaf, without clustered stomata	Oct 7, 2010		
4 - 6" pots	Corn stomata	Sep 7, 2010	30	8 seed/pot 4pl/pot
4 - 6" pots	Cotton stomata	Sep 2, 2010	35	6seed/pan 3pl/pot
	Dianthus leaves	Oct 7, 2010		
	Enseti	Oct 7, 2010		
	Ficus leaves	Oct 7, 2010		
2 - 4"pots	Gasoul	Jul 24, 2010	75	30 seed/pot, sand, refrigerator
	Iris leaves	Oct 7, 2010		
	Musa	Oct 7, 2010		
2 pots	Nicotiana rustica	Jul 22, 2010	77	Plant seed, 1 - 4" pot

2 pots	Nicotiana rustica	Jul 30, 2010	69	Plant seed, 1 - 4" pot
10	Nicotiana rustica petiole	Aug 8, 2010	60	1 - 4" pot, plant seed
	Panadanus	Oct 7, 2010		
	Pansy	Oct 7, 2010		
	Peperomia leaves	Oct 7, 2010		
20 leaves	Peperomia obtusifolium leaves	Oct 7, 2010		Enter directions here
	Snapdragon	Oct 7, 2010		
1	Sugar cane	Oct 7, 2010		
	Tillandsia(Spanish moss)	Oct 7, 2010		
	Verbascum leaves	Oct 7, 2010		

Lab 6 Xylem and Xylem Regeneration Experiment - part 2

Oct 12, 2010

Quantity	Plant Material	Date planted	Days	Directions
1 bag	Apium(celery)	Oct 12, 2010		

Lab 7 Phloem and Xylem Regeneration Experiment - part 3

Oct 14, 2010

Quantity	Plant Material	Date planted	Days	Directions
3 - 6"pots	Cucurbita	Sep 19, 2010	25	6seed/pan 3pl/pot

Lab 8 Lab Exam 1

Oct 19, 2010

Quantity	Plant Material	Date planted	Days	Directions
0	No plants specified	Oct 19, 2010		Enter directions here

Lab 9 Root Apical Organization, Primary Growth, and Root Systems

Oct 21, 2010

Quantity	Plant Material	Date planted	Days	Directions
	Corolloid roots of cycad, Encephalartos	Oct 21, 2010		
	Dandelion roots	Oct 21, 2010		
	Epidendron ariel roots	Oct 21, 2010		
	Ficus pumila-clinging roots	Oct 21, 2010		
	Hedra helix (Ivy)--clinging roots	Oct 21, 2010		
	Iris rhizome	Oct 21, 2010		
	Mistletoe--with attachment to tree	Oct 21, 2010		

Monstera deliciosa--long roots with growing Oct 21, 2010

Monstera roots Oct 21, 2010

18 - 6" pots Pea, dark grown Oct 16, 2010 5 6 - 6" pots 20seed/pot Vermiculite/sand

Tradescantia zebrina Oct 21, 2010

Lab 10 Rootlike Organs, Specialized Roots, Mature primary roots

Oct 26, 2010

Quantity	Plant Material	Date planted	Days	Directions
3 - 6" pots	Dodder hastoria	Aug 28, 2010	59	1 - 4" pot tomato
5 - 5" pots	Foeniculum	Sep 21, 2010	35	6 seed/pot, 2pl/pot
3 - 4"pots	Rhizobium	Sep 26, 2010	30	Bean 3 seed/pot , inoculum
2, 3" pieces	Vanilla orchid root	Oct 26, 2010		
6 - 4"pots	Wheat roots	Sep 28, 2010	28	8 seed/pot

Lab 11 Root Secondary Growth and Anomalous Secondary Growth in Roots

Oct 28, 2010

Quantity	Plant Material	Date planted	Days	Directions
2 - 1gal pots	Carrot root	Sep 13, 2010	45	20 seed/pot, 6pl/pot
	Dracena draco--old roots	Oct 28, 2010		
2	Sugar beet	Oct 28, 2010		
6 - 6" standard	Sugar beet	Oct 8, 2010	20	12 seed/pot, 5pl/pot
2 - 1 gallon	Sugar beet, mature	May 26, 2010	155	6 seeds/pot, 1 pl/pot
2	Sweet potato	Oct 26, 2010	2	Sue will get at store.

Lab 12 Shoot Apical Organization, Primary Stem Primary Organization

Nov 2, 2010

Quantity	Plant Material	Date planted	Days	Directions
	Coleus--very young stems	Nov 2, 2010		
	Elodea shoot	Nov 2, 2010		
7-8/rm	Epidendron shoots	Nov 2, 2010		
2 - 4" pots	Hesperonide	Sep 13, 2010	50	Find weedlings and transplant.
4 - 6"pots	Lupinus apex	Oct 21, 2010	12	8seed/pot , cover w/sand 2" deep, cool temps
4 - 6"pots	Lupinus apex	Oct 25, 2010	8	8seed/pot , cover w/sand 2" deep, cool temps
	Lupinus shoot	Nov 2, 2010		
2 plants	Tolmiea	Nov 2, 2010		Enter directions here

2 - 5.5" pots Young Corn shoot apex Oct 12, 2010 21 6 seed/pot, no thinning

Lab 13 Lab Midterm Exam 2

Nov 4, 2010

Quantity	Plant Material	Date planted	Days	Directions
0	No plants specified	Nov 4, 2010		Enter directions here

Lab 14 Primary Stem Architecture, Stem Modifications, Initiation of Secondary Growth

Nov 9, 2010

Quantity	Plant Material	Date planted	Days	Directions
2	Cephalocereus with lateral cephalum	Nov 9, 2010		
2 plants	Duchenia stolons	Nov 9, 2010		Enter directions here
	Epidendron stem	Nov 9, 2010		
2	Melocactus with cephalum	Nov 9, 2010		
	Peperomia obtusifolium stem. Bench 3 or	Nov 9, 2010		
6	potatoes	Nov 9, 2010		
A few	Psilotum stems and rhizomes	Nov 9, 2010		Enter directions here

Lab 15 Vascular Cambium, Wood Anatomy - Veterans Day

Nov 11, 2010

Quantity	Plant Material	Date planted	Days	Directions
4 - 6"pots	Tomato	Sep 7, 2010	65	1 - 4" pan 12seed/pot

Lab 16 Periderm and Anomalous Secondary Growth in Stems

Nov 16, 2010

Quantity	Plant Material	Date planted	Days	Directions
4	Bougainvillea, 18 inch stem pieces	Nov 16, 2010		
	Cordyline stems	Nov 16, 2010		
	Dracena stem	Nov 16, 2010		
	Ivy stems	Nov 16, 2010		
	Palm, young stem	Nov 16, 2010		
	Sambucus twigs	Nov 16, 2010		

Lab 17 Secretory Structures

Nov 18, 2010

Quantity	Plant Material	Date planted	Days	Directions
	Acacia leaves	Nov 18, 2010		

	Acer	Nov 18, 2010		
	Any Euphorbia stem	Nov 18, 2010		
A few	Arbutus unedo flowers	Nov 18, 2010		Enter directions here
	Ardisia leaves	Nov 18, 2010		
	Bambusa	Nov 18, 2010		
	Bird of Paradise flowers	Nov 18, 2010		
A few	Cercropia stems & leaves	Nov 18, 2010		Enter directions here
	Chorisa petioles	Nov 18, 2010		
	Cissus rotundifolia	Nov 18, 2010		
A few	Correa leaves	Nov 18, 2010		Enter directions here
	Crassula argenta leaves	Nov 18, 2010		
a few	Euphorbia pulcherrima flowers	Nov 18, 2010		Enter directions here
50	Ginko leaves	Nov 18, 2010		Enter directions here
50	Impatiens leaves	Nov 18, 2010		Enter directions here
	Lactuca scariolar or Sonchus--leaves	Nov 18, 2010		
A few	Laurus nobilis leaves	Nov 18, 2010		Enter directions here
	Leea coccinea	Nov 18, 2010		
6	Lemons or limes	Nov 18, 2010		
	Mint leaves and stems	Nov 18, 2010		
	Nerium oleander leaves	Nov 18, 2010		
	Passiflora sp. leaves and flowers. In Vit.	Nov 18, 2010		
A few	Phormium tenax leaves w/red variegation	Nov 18, 2010		Enter directions here
	Piper hispida	Nov 18, 2010		
	Piper nigrum , leaves and stems	Nov 18, 2010		
	Ribes viburnifolium, leaves for trichomes	Nov 18, 2010		
	Salix	Nov 18, 2010		
A few	Salvia leucantha flowers	Nov 18, 2010		Enter directions here
A few	Salvia officinalis leaves	Nov 18, 2010		Enter directions here
50	Taxus leaves	Nov 18, 2010		Enter directions here
2 - 6"pots	Tomato	Sep 29, 2010	50	1 - 4" pot, 12seed/pot

Lab 18 Leaf Development and Diversity

Nov 23, 2010

Quantity	Plant Material	Date planted	Days	Directions
	Acacia phyllodes, with juvenile (compound)	Nov 23, 2010		
2	Aloe plant in pot	Nov 23, 2010		Enter directions here
A few	Asparagus stems with leaves	Nov 23, 2010		Enter directions here
	Auracaria branch	Nov 23, 2010		
2	Ceratophyllum	Nov 23, 2010		
4	Dionaea	Nov 23, 2010		Enter directions here
	Drosera	Nov 23, 2010		
A few	Epiphyllum or Colletia	Nov 23, 2010		Enter directions here
	Eucalyptus--adult and juvenile leaves	Nov 23, 2010		
	Hedera (Ivy)--adult and juvenile leaves	Nov 23, 2010		
	Nymphaea (water lily) leaves	Nov 23, 2010		
2	Opuntia plant in pot	Nov 23, 2010		Enter directions here
4	Pinguicula	Nov 23, 2010		Enter directions here
2	Ranunculus	Nov 23, 2010		
2 - 6" pots	Ricinus leaves	Oct 9, 2010	45	3 seeds/pot, 1 pl
	Ruscus cladodes	Nov 23, 2010		