

<http://bio.fsu.edu/~bsc2011L/>

Click on **Course Documents**,  
then **Lab Review**  
& select phyla of choice

This presentation is also available:  
Click on **Lab Review**,  
then **Fall 2004**  
**Midterm Practical Review**

# Practical Exam:

Wednesday, October 13

- Again- be careful of times! The exam schedule is different from that for the reviews. Students are responsible for taking note of the sessions they signed up for...and keeping to this schedule!

The actual exam lasts less than 40 minutes. We have a built in buffer at the end for business, but we will start them on time!

Limit 25 students per session.

# Special Needs Students

- Students needing special assistance (e.g. extra time) must sign up for the LAST review & LAST exam session.
- They must have their signed documentation on file with the coordinator prior to entry into either.

# Exam - Grade / Question Distribution

**~15% OF YOUR OVERALL GRADE**

**~1/3 Taxonomy & identification**

**~1/3 Structure & function**

**~1/3 Comparisons between phyla**

# Exam - Point / Time Distribution

25 stations - 2 questions per station

50 questions total - 1 point per question

Round 1 - 60 SECONDS (1 min.) per station  
= 25 minutes for round 1

Round 2 - 30 SECONDS (1/2 min.) per station  
= 12.5 minutes for round 2

Total exam time given = 37.5 minutes

-  $\frac{3}{4}$  minute (45 seconds) per question!

# Exam - Grading Policies

- Capitalize taxa

Points **WILL** be deducted for not doing so.

If you wish to use all capitals, make sure the first letter is most definitely **TWICE** as big as the rest.

- Spelling

1 letter will be over looked

2 letters - lose ½ point

3 letters - lose 1 point

These rules only apply if 1 or 2 letters do not create another word that could mean that the student does not know the answer to the Q.

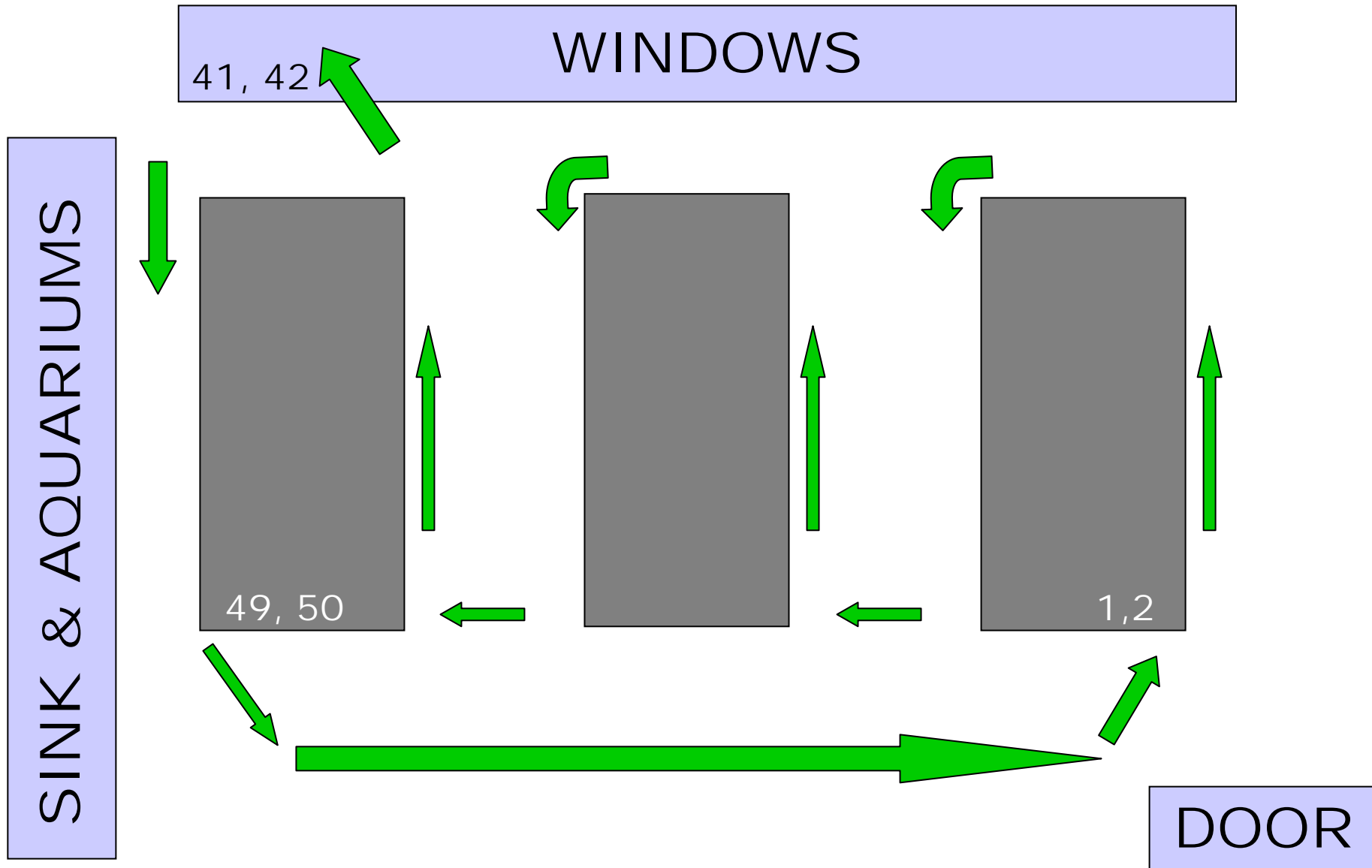
Mesohyl (of Porifera)

Mesophyll (of Plants)

# Exam - Rules!

- Sign up for one exam!
- Arrive at least 10 minutes prior to your session. If you are late you may not be let in!
- Bring only a couple of pencils and an eraser (Pencil enables you to change your response and leave only the part that you wish to be graded.) You may use a pen if you insist!
- You will be given a pre-exam introduction re exam rules!  
No cheating! Keep eyes on your own paper (Turn caps around, pull hair away from face.) etc, etc.....
- Sign your sheet if you want your grades posted. If you choose not to sign it you will have to see the Coordinator in person to get your grade.
  - Grade information will not be given out over the phone or by e-mail.

# Student 'flow' around the lab





**Note** - the following slides may look different from what you saw in lab!!!

These images are to be used in conjunction with your lab drawings, your notes & the lab manual.

DON'T FORGET .....

STUDY the MICROSCOPE

- USAGE & PARTS!!!

\*Compound vs. Dissection

\*How to illuminate an opaque vs.  
transparent object

\*Magnification formula ( $M=\infty$ ) etc.

# KINGDOM ANIMALIA

PHYLUM Porifera

PHYLUM Cnidaria

PHYLUM Platyhelminthes

PHYLUM Nemertina

PHYLUM Nematoda

PHYLUM Rotifera

PHYLUM Annelida

PHYLUM Arthropoda

(SUPHYLA Trilobitmorpha, Crustacea & Chelicerata.)

These are the phyla that you will be  
tested on for the midterm practical

# COMPARISON Qs

- A. How many of the following organisms are at the organ level of organization?
- B. Give the letter(s) of the organism(s) that has(have) a CLOSED circulatory system.

Compare traits and systems such as circulatory, excretion, reproduction etc. and group Phyla when studying!!!

## Body Types

Asconoid, Syconoid, Leuconoid

## Porifera

## Body Forms

Medusa vs. Polyp.....

## Cnidaria

# Level of Organization

Cell - PHYLUM Porifera

Tissue - PHYLUM Cnidaria

Organ - PHYLUM Platyhelminthes

onward...

# Tissue Layers

- Diploblastic - 2 Cell Layers

- PHYLUM Cnidaria

- Triploblastic - 3 Cell Layers

- PHYLUM Platyhelminthes

onward...

# Coelom Formation

Acoelomates (2 phyla)

Pseudocoelomates (2 phyla)

(Eu)Coelomates (6 phyla)

We are only dealing with two eucoelomate  
phyla this practical exam...



# Acoelomates

- PHYLUM Platyhelminthes
- PHYLUM Nemertina

# Pseudocoelomates

- PHYLUM Nematoda
- PHYLUM Rotifera

# (Eu)Coelomates

- PHYLUM Annelida
- PHYLUM Arthropoda

PHYLUM Mollusca

PHYLUM Bryozoa

PHYLUM Echinodermata

PHYLUM Chordata

# Digestive System

Incomplete (no anus)

PHYLUM Cnidaria

PHYLUM Platyhelminthes

Complete

PHYLUM Nemertina

onward.....

These are the types of  
comparison or concept  
questions that might  
appear on the practical.

This list is by no means exhaustive...

*Good Luck!*

From: Doc Herrnkind - Professor

Me - Lab Coordinator

Pete - Honcho

James, Neil, Paul & Tim - TAs