

Today:

A) Comments about the class and exam material

B) Experimental design, in brief

C) Fungi – Part II - the finale

A) Comments about the class and exam material

You are a terrific group of students!

You all . . .

work very hard all of the time

are enthusiastic

complain very little

make adjustments even if you find it difficult

So, you may bring ONE 8.5.x11 sheet of paper with notes on it for the exam.

Main Topics on Exam

(encompassing lots of stuff based on lectures and reading):

- Fossil formation and History of Life**
- Adaptive radiations and Mass extinctions**
- Phylogenies**
- Viruses**
- Bacteria and Archeae**
- Protists**
- Endosymbiosis**
- Plants**
- Fungi**
- Serial dilutions (lab)**
- Experimental Design**

B) Experimental Design

**Just one thing I want you to do. . .
Create a good hypothesis!**

Oh, and identify controls!

Questions you want to answer:

- 1. Does Retrovirus B infect stem cells?**
- 2. If so, how efficient is the infection?**
- 3. Do the infected stem cells produce ADA protein?**

What was the negative control for the UV mutagenesis experiment in the laboratory?

Were there any positive controls?

Fungi – Part II