**Bio111 Week 9**

Before you come to lab

1) Review what you have done so far with the evolution experiment.

2) Answer each of these four questions in two sentences or less.

A) How many more weeks can you do experiments for the evolution lab? (evolution)

B) When should you finish the collection of data and therefore when will you do your final test for antibiotic resistance? (evolution)

C) Every single group had their slime mold cells progress through slugs to spore formation. Speculate why. (emergent property)

D) Are you still doing biology research if you only do computer simulations? Explain your answer. (emergent property)

**Week 9 (October 20th)**

This week will be a very short lab.

Emergent Properties In Lab

1) All petri dishes formed slugs and spores. Your group should hypothesize why everyone got this result.

2) Next week in class, we will read about slime molds (finally). You will work with an Excel file as a mathematical model of slug formation.

Evolution In Lab

3) Determine what you need to do next given the time remaining for the evolution experiment.