**Slime Mold Lab Reflection**

Assigned: 9/16/2015

Due: 9/25/2015

As an introduction to open-ended research, you designed a mini project to explore the properties of the slime mold, *Phyasrum polycephalum*. Your ideas came about from brainstorming in class as we reviewed the essential elements of a scientific investigation. For this assignment, you will document and reflect on what you did and what you learned from this investigation.

Your report will include:

1. **Statement of purpose** (2 points)-Here you will justify why you chose the research question that you did. What fueled your curiosity? Why should another “scientist” care about your research project?
2. **Hypothesis Statement**. (4 points). Identify your DV (dependent) and IV (independent) variables, if applicable. If not applicable, explain why. Put this information into a table form.
3. **Description of Methods**. (4 points) What materials did you need? How did you decide what to work with? What *qualitative* data did you collect? What *quantitative* data did you collect?
4. **Conclusion and Reflection.** (5 points).What did you learn from this investigation? What surprised you-did anything unexpected happen? If you were to repeat your investigation, what would you change or do differently? What would the next logical step in your investigation be?