

Bacteria Lab Extra Instructions

Day 1:

- Complete Bacteria Notes (On Blog)
- Read over Lab
 - Identify the “Purpose” of the Lab
 - Find a partner that you will work with for both parts of this lab. Groups of 2 only.
 - Propose a hypothesis for Part 1 of this lab (If...Then..)
- Collect Background information for introduction
- In introduction ensure to include important information that relates to your lab (Parts 1 & 2) about bacteria (how to identify, size, classification, growth, reproduction and benefits of bacteria)
 - This Introduction will have two parts, One for Part 1, One for Part 2
- Pick up “How to write a lab report package with Rubric” This will outline how to write a formal Lab report. Use this as extra help during the development of your lab report.

Day 2:

- Complete Part One, Day one of Bacteria Lab
 - Hypothesis will need to be completed before this step.
 - **DISENFECT WORK SPACE after completing lab**
- Work on Introduction, Purpose, Materials and Procedure.

Day 3:

- Complete Part One, Day two of Bacteria Lab
 - DO NOT OPEN THE AGAR PLATE. When finished sketching your colonies, dispose of the plate in the appropriate waste container (ASK MS HEMINGWAY)
 - **DISENFECT WORK SPACE after completing lab**
- Complete discussion questions, these will help you guide your discussion section.
- Work on Introduction, Purpose, Materials and Procedure.

Day 4:

- Read over Part 2 of the Lab
 - Identify the purpose
 - With the same partner you will be choosing 3 different antimicrobial agents to test against a non-pathogenic bacteria supplied by your teacher. Ask Ms. Hemingway for the List of agents.
 - With partner come up with a hypothesis for Part 2
 - Complete Part 2, Day 1
 - The procedure for Day 1 of Part two is not listed in the supplied lab, this means that you will need to pay attention and make note of how you complete the lab. Your teacher will go over the steps to setting up your agar plate. Ensure to write down ALL of the steps of the procedure. You will need write down all steps and all materials used. If unsure, check with your teacher.
 - **DISENFECT WORK SPACE after completing lab**
- Work on Introduction, Purpose, Materials and Procedure

Day 5:

- Complete Part 2, Day 2
 - DO NOT OPEN THE AGAR PLATE, complete observations. Clean up and put away materials
 - **DISENFECT WORK SPACE after completing lab**
- Complete discussion questions, these will help you guide your discussion section.
- Work on Introduction, Purpose, Materials and Procedure, Results, Discussion & References.

Your Final submitted Lab Report must be accompanied by your peer reviewed draft (rubric included). You must ensure that all sections are present and complete.

You will be given 3~ days to complete your formal Lab Report. One of these days will be for another group to Peer Evaluate.