

Lab #2 Write-up: Good Copy

Use of the Microscope and the Letter "e"

Title page: A title in the center of the page

Full name, with names of group partners below, subject, date and teacher will be located on the bottom left side of the page
Pictures and color encouraged

- Remember: in a lab report, you only write on one side of the page

Purpose: As discussed in class

Materials: List the materials used during the activity

Procedure: Number the steps you followed to complete the activity.

Results: include two diagrams, including titles and magnification

Observations: In complete sentences, answer all questions from the activity. Skip a line between answers and number them appropriately. Note that the last question is quite important.

Assessment Code:

- 1 Student work exceeds expected learning outcomes
- 2 Student work meets expected learning outcomes
- 3 Student work is not yet meeting expected learning outcomes
- 4 no evidence provided

Science Curriculum Learning Outcomes:

209.3: *Use instruments effectively and accurately for collecting data.* A B C D

209.4: *Organize data using a format that is appropriate to the task or experiment (accuracy of format of lab write-up)* A B C D

210.7: *Identify and suggest explanations for discrepancies in data (last question)* A B C D

Observation / Performance Rubric:

- 4 Worked cooperatively and collaboratively with group members. Worked safely with lab materials. Observation section displayed a full understanding. Diagrams in Results section were extremely neat and properly labeled. Work and editing was excellent.
- 3 Worked cooperatively and collaboratively with group members. Worked safely with lab materials. A section in lab report was incomplete, needed improvement or contained errors indicating a lack of understanding of a given concept. Diagrams were complete and neat. Observations section indicated a good understanding of the material.
- 2 Worked fairly well with group members most of the time. Some work was either "rushed" or incomplete. Some work indicated a lack of understanding of task or how to complete activity. Work needs improvement and was incomplete in certain areas.
- 1 Did not work well with group members. Incomplete work. Incomplete assessment.

Lab Write-up was passed in: 3--on time 2--late one day 1--late more than 1 day

OBSERVATIONS:

1. What happens to the image as you move the slide:
 - a. To the right?
 - b. To the left?
 - c. Toward you?
 - d. Away from you?
2. How does the brightness of the image change when moving from low power to high power?
3. How much of the letter "e" can be seen in low power?
4. How much of the letter "e" can be seen in high power?
5. How did the "e" appear through the microscope, right side up or upside down?
6. Describe how the ink looked through the microscope.
7. Compare your diagrams to those of three other students. Mention any similarities and differences which exist between your work and theirs. Explain why these differences exist.