

BIOLOGY



Ms. Von Burg
Ms. Clisby
Ms. Rinaldo

Date: _____

Lab # 2

Lab Title: Lab Equipment

Name: _____

Lab Partner(s): _____

Name: _____
Date: _____

Lab Partner: _____
Period: _____

Living Environment
Lab # ____: Introduction and Safety

When working during lab this year, you will be using a variety of equipment. It is important for you to know the name and function for equipment and answer questions related to the equipment. You will also work through possible situations you may encounter during lab. Make sure you follow all directions when completing this lab. Read through each part before completing each section.

Part A:

Identify the Lab Equipment shown in the drawings on the next page. Use the letters that are indicated under the drawing. Place the letter next to the name of the piece of equipment. You may use any textbook or resource in the room (except the computer) when figuring out what the equipment looks like.

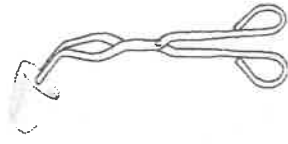
- | | |
|--------------------------------|-------------------------------|
| 1. Beaker _____ | 10. Test Tube Rack _____ |
| 2. Dissecting Kit _____ | 11. Microscope Slides _____ |
| 3. Dissecting Microscope _____ | 12. Graduated Cylinder _____ |
| 4. Ruler _____ | 13. Petri Dish _____ |
| 5. Test Tube _____ | 14. Compound Microscope _____ |
| 6. Funnel _____ | 15. Triple Beam Balance _____ |
| 7. Hot Plate _____ | 16. Water Bottle _____ |
| 8. Pipette _____ | 17. Forceps _____ |
| 9. Erlenmeyer Flask _____ | 18. Tongs _____ |



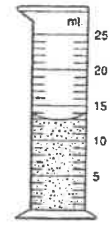
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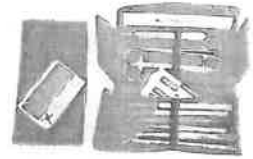
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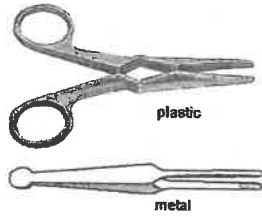
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E



F



H



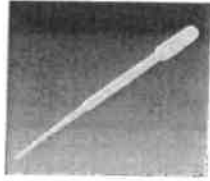
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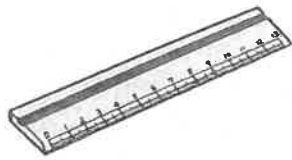
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K



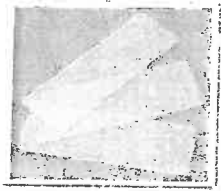
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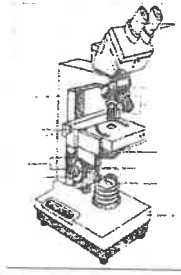
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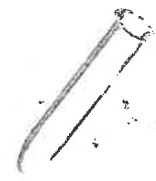
N



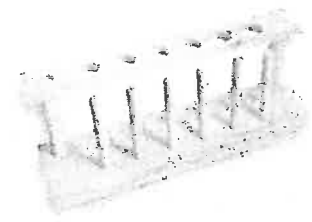
O



P



Q



R



S

Part B: Read the following statements. Each statement deals with incorrect student activities or attitudes during lab. Think about each statement and explain the correct way students should work in the lab. Write your response in a complete.

1. Peter says that his teacher is the only one responsible for preventing laboratory accidents.

2. Amber started the lab activity before reading the lab and all of the directions completely.

3. Adam decided to do a lab activity that he read in a library book before the teacher came into the classroom.

4. Stacy says that lab aprons are unattractive and that safety goggles mess up her hair. She refuses to wear them.

Part C: Describe the location and function of each of the following types of safety equipment in this science room.

1. Fire Blanket

2. Fire Extinguisher

3. Goggles

4. Eye Wash Station (and sinks)

Part D: Follow the steps below. You may work with a partner if you wish.

1. Read through all the problems before beginning any of the work. Place any answers on a separate sheet of paper.
2. Give the answer for the following problem: $1 \times 2 \times 3 \times 4 \times 5 \times 6 \times 7 \times 8 \times 9 =$ _____
3. A boy sold his bicycle for \$30. He later bought it back again for \$25. The next time he sold it for \$40. How much did he make overall?
4. It is possible to write down the digits 1 to 9 (writing each once and once only, and in order) and then place ordinary arithmetical signs as necessary so that the answer to the entire sum is 100. For example: $1 \times 2 + 34 + 56 + 7 - 8 + 9 = 100$ Find a way that uses only + and - signs for addition and subtraction
5. You do not (did not) need to complete any of the problems in **Part D**. Just have your teacher sign this line: _____
6. ALL YOU NEEDED TO DO WAS READ ALL THE DIRECTIONS FIRST!

Part E: Conclusion: The following can be concluded from performing this laboratory experience:

1. Why was this experience given to you?

2. What did you learn by completing this experience?

3. Describe an emergency situation that could arise in lab. How would you respond to it?

Analysis Questions: Answer the following questions in the spaces provided:

It is crucial that you understand a few things about this classroom.

4. How do you exit this room in case of a fire or fire drill? What if the entrance is blocked?

5. Describe at least three things that you would recognize as being hazards that could exist? What we could do to correct the hazard?

6. How would you respond if your teacher severely injured themselves during lab?
