

**LABORATORY REPORT  
EXERCISE #1****INTRODUCTION TO THE BIOLOGY LAB AND LABORATORY SAFETY**Name \_\_\_\_\_ Section \_\_\_\_\_ Teacher *Dr. NEDWIDEK* Date \_\_\_\_\_**I. SUMMARY SAFETY QUESTIONS**

1. Describe the safety procedure(s) you would follow to solve each of the following laboratory situations:
  - a. your clothes catch on fire-
  
  - b. you get a chemical particle into your eye-
  
  - c. you cut or pierce yourself with a sharp object-
  
  - d. you spill a chemical on your skin/clothing-
  
2. In case of an accident in the classroom, who should be notified immediately?
  
3. Why is it a safety procedure to tie back long hair in the laboratory?
  
4. Why should a student not eat or drink in the laboratory?
  
5. Why should any spills be reported and cleaned immediately?
  
6. Why should you wash your hands after every laboratory period?
  
7. Why is rough play in the laboratory dangerous?
  
8. When would the wearing of safety goggles be a proper procedure?
  
9. Read each statement and place a "T" for true or "F" false on the line next to the letter of the statement.
  - \_\_\_\_\_ a. The laboratory is a good place for practical jokes.
  
  - \_\_\_\_\_ b. Contaminated equipment needs to be sterilized with disinfectant.
  
  - \_\_\_\_\_ c. Spilled chemicals should be wiped up immediately.
  
  - \_\_\_\_\_ d. It's unnecessary to report minor laboratory accidents.
  
  - \_\_\_\_\_ e. Performing experiments not assigned by the teacher is good creative procedures.

- \_\_\_\_\_ f. No chemicals should ever be tasted.
- \_\_\_\_\_ g. Pipettes for transferring liquids should be used with valve bulbs.
- \_\_\_\_\_ h. Only the teacher needs to know the location of the first aid kit.

**II. QUESTIONS ABOUT THE CARTOON**

Look over the safety cartoon sheet and answer the questions below.

**FIVE unsafe activities shown in the safety cartoon are:**

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_

**Explain why each of the unsafe activities you listed is unsafe.**

- 1.
- 2.
- 3.
- 4.
- 5.

### Cartoon



**THREE correct laboratory procedures depicted in the cartoon are:**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

**Explain how each of the correct laboratory procedures you listed is safe.**

- 1.
- 2.
- 3.

**III. QUESTIONS ABOUT SAFETY POLICY**

1. Developing Safety Policies

Several statements are printed in **Column I** concerning students' activities and attitudes in the laboratory. Think about each statement and formulate a safety rule or procedure related to each statement. Write one or two clear, concise sentences in **Column II** that can serve as a safety policy for your science classroom.

**Column I**

**Column II**

- |   |   |
|---|---|
| <p>a. Peter says that his teacher is solely responsible for preventing laboratory accident.</p> <p>b. Anna started the lab activity before reading it through completely.</p> <p>c. Ricardo decided to do the lab activity that he read in a library book before the teacher came into the classroom.</p> <p>d. Stephanie says that the lab aprons are unattractive and that the safety goggles mess up her hair. She refuses to wear them.</p> | <p>a. _____<br/>_____</p> <p>b. _____<br/>_____</p> <p>c. _____<br/>_____</p> <p>d. _____<br/>_____</p> |
|---|---|

2. Using Safety Devices Correctly

Describe the location and purpose of having each of the following devices in your science laboratory. Write your answers in the spaces provided.

- a. Fire Blanket
- b. Fire Extinguisher
- c. Goggles
- d. Eyewash station
- e. Safety shower

**Closing Declaration:** At the close of this lab report, I can attest to having done it by my own hand. If I received help from peers or from tutors in doing it, this was purely to understand the material, and I did not knowingly transfer information from or to other sources (my peers or otherwise) in the process of doing this work.

**Student Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

Lab Completed \_\_\_\_\_ ← Teacher signature