

NAME \_\_\_\_\_

Date \_\_\_\_\_ Per. \_\_\_\_\_

## SAFETY GUIDELINES FOR SCIENCE STUDENTS

### I. STUDENT RESPONSIBILITIES:

- A. Determine the purpose and procedure of your experiment before class, Plan carefully and allow enough time to finish both the lab **and** cleanup **before** the end of the period.
- B. Stay at your lab table during experiments except to obtain chemicals or equipment.
- C. Maintain quiet behavior during laboratory periods. Handle all glassware and bottles with extreme care to prevent spilling or squirting of chemicals.
- D. **Do not bring food into the lab.**
- E. **Do not drink industrial water from lab stations or faucets.**
- F. **Do not sit on lab counters or tables.**

### II. EQUIPMENT:

#### A. Safety

1. Know the location and use of the following:
  - fire extinguisher
  - fire blanket
  - eyewash station
2. For your own personal safety:
  - a. Wear shoes at all times
  - b. Wear goggles and aprons when handling chemicals or using flames.
  - c. Remove coats and loose jewelry; roll up long sleeves; and tie long hair back during laboratory work.
  - d. Wash hands before leaving classroom.
3. Report to the instructor at once:
  - a. Any personal injury.
  - b. Hazardous conditions of equipment or materials.
  - c. Any chemical spills.

#### B. Glassware

1. Treat the test tube that you are heating like a loaded gun. Turn the mouth away from everyone.
2. Remember, glass breaks. Handle carefully.
3. To determine whether or not an object is hot, bring the back of your hand close to the object.

#### C. Burners

1. Do not light a burner until you are ready to use it.
2. Turn off all burners as soon as you are finished with them.

### III. Chemicals

#### A. Dispensing

1. Replace caps on stock or supply bottles and jars immediately after use.
2. Do not remove chemicals from supply or stock table.
3. Never return unused solutions or solids to stock or supply containers.
4. Use weighing or filter paper to protect balance pans. Clean spilled chemicals (liquids or solids) from balance pans immediately.

#### B. Observations

1. View contents of test tubes, flasks and beakers from the side, never look down directly into the opening of glassware.
2. Never taste chemicals or drink from laboratory equipment.
3. Test the odors of chemicals by fanning the odor towards you and sniffing cautiously.

#### C. First Aid

1. Wash any area that has had chemical contact with a large amount of water. If the eye is involved, wash at the emergency eyewash for 10 to 15 minutes.
2. If burned, place immediately under cold, running water. Notify the instructor immediately.

#### D. Special Precautions

1. Keep flammable chemicals off lab stations or tables when burners are used.
2. Report any chemicals which appear to be contaminated to the instructor.

#### E. Disposal

1. Follow the instructor's instructions for disposal of wastes.
2. Dispose of solid waste and broken glassware in the designated containers.
3. Run water while and after disposing of liquid waste into the sink.
4. Always wash and dry counters and tables following an experiment.
5. When in doubt about disposal, ask the instructor.

### **AFTER READING THE ABOVE SAFETY GUIDELINES I WILL:**

- 1) Follow all instructions given by the teacher.
- 2) Protect my eyes, face, hands and body while conducting class activities.
- 3) Know the location of first aid and fire fighting equipment.
- 4) Clean up after myself.
- 5) Conduct myself in a responsible manner at all times in a laboratory situation.

**THIS IS NOT A TEAR OFF. PLEASE SIGN AND HAVE A PARENT OR GUARDIAN SIGN AND RETURN THIS PAPER TOMORROW.**

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

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

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*Parent or Guardian Signature*

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*Date*