Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Lab Safety Questions**

**Multiple Choice**:Answer these questions by circling the best answer.

1. After completing an experiment, all chemical wastes should be

|  |  |
| --- | --- |
| 1. left at your lab station for the next class.
 | 1. taken home.
 |
| 1. dumped in the sink.
 | 1. disposed of according to your instructor’s directions.
 |

1. You are heating a substance in a test tube. Always point the open end of the tube

|  |  |
| --- | --- |
| 1. away from all people
 | 1. toward another classmate.
 |
| 1. toward yourself.
 | 1. toward your lab partner.
 |

1. When your finish working with chemicals, biological specimens, and other lab substances, always

|  |  |
| --- | --- |
| 1. wipe your hands on your clothes.
 | 1. treat your hands with skin lotion.
 |
| 1. wash your hands thoroughly with soap and water.
 | 1. wipe your hands on a towel.
 |

1. You are heating a piece of glass and now want to pick it up. You should

|  |  |
| --- | --- |
| 1. pour cold water on it.
 | 1. pick up the end that looks cooler.
 |
| 1. use a rag or paper towels.
 | 1. use tongs.
 |

1. Long hair in the laboratory must be

|  |  |
| --- | --- |
| 1. cut short.
 | 1. tied back or kept entirely out of the way with a hair band, hair pins, or other confining device.
 |
| 1. always neatly groomed.
 | 1. held away from the experiment with one hand.
 |

1. If a laboratory fire erupts, immediately

|  |  |
| --- | --- |
| 1. run for the fire extinguisher.
 | 1. open the windows.
 |
| 1. throw water on the fire.
 | 1. notify your instructor.
 |

1. You have been injured in the laboratory (cut, burn, etc.). First you should

|  |  |
| --- | --- |
| 1. see a doctor after school.
 | 1. tell the science instructor at once.
 |
| 1. visit the school nurse after class.
 | 1. apply first aid yourself.
 |

1. When gathering glassware and equipment for an experiment, you should

|  |  |
| --- | --- |
| 1. read all directions carefully to know what equipment is necessary.
 | 1. examine all glassware to check for chips and cracks.
 |
| 1. clean any glassware that appears dirty.
 | 1. all of the above.
 |

1. Flammable materials, like alcohol, should never be dispensed or used near

|  |  |
| --- | --- |
| 1. an open door.
 | 1. an open flame.
 |
| 1. another student.
 | 1. a sink.
 |

1. If you do not understand a direction of a lab procedure, you should

|  |  |
| --- | --- |
| 1. skip it and go on to the next part.
 | 1. ask the instructor before proceeding.
 |
| 1. try several methods until something works out.
 | 1. figure it out as you do the lab.
 |

1. Horseplay or practical jokes in the laboratory are

|  |  |
| --- | --- |
| 1. always against the rules.
 | 1. okay.
 |
| 1. okay if you are working alone.
 | 1. not dangerous.
 |

1. ***There are two correct answers***: Pipets are used to measure and dispense small amounts of liquids. To fill a pipet

|  |  |  |
| --- | --- | --- |
| 1. use a rubber bulb
 | 1. use a pipet pump
 | 1. use your mouth
 |

1. If you wear contact lenses in the school laboratory,

|  |  |
| --- | --- |
| 1. keep the information to yourself.
 | 1. you do not have to wear protective goggles.
 |
| 1. advise your science instructor that you wear contact lenses.
 | 1. take them out before starting the lab.
 |

1. If a lab experiment is not completed, you should

|  |  |
| --- | --- |
| 1. make up some results.
 | 1. discuss the issue with your instructor.
 |
| 1. sneak in after school and work alone.
 | 1. come in during lunch and finish while eating lunch.
 |

1. If an acid is splashed on your skin, wash at once with

|  |  |
| --- | --- |
| 1. soap
 | 1. oil
 |
| 1. plenty of water.
 | 1. weak base.
 |

1. Approved eye protection devices (such as goggles) are worn in the laboratory

|  |  |
| --- | --- |
| 1. only if you don’t have corrective glasses.
 | 1. any time chemicals, heat, or glassware are used.
 |
| 1. to avoid eye strain.
 | 1. to improve your vision.
 |

1. In a laboratory, the following should not be worn.

|  |  |
| --- | --- |
| 1. loose clothing.
 | 1. sandals.
 |
| 1. dangling jewelry.
 | 1. all of the above.
 |

1. The following footwear can be worn in the laboratory.

|  |  |
| --- | --- |
| 1. open-toed shoes.
 | 1. close-toed shoes.
 |
| 1. bare feet.
 | 1. sandals.
 |

1. If a piece of equipment is not working properly, stop, turn it off, and tell

|  |  |
| --- | --- |
| 1. your best friend in the class.
 | 1. the custodian.
 |
| 1. the science instructor.
 | 1. your lab partner.
 |

1. Personal eyeglasses provide as much protection as

|  |  |
| --- | --- |
| 1. splash proof chemical goggles.
 | 1. a face shield.
 |
| 1. safety glasses.
 | 1. none of the above.
 |

**True or False**: Answer these questions by writing the word TRUE or FALSE on the line.

|  |  |
| --- | --- |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. It’s okay to pick up broken glass with your bare hands as long as the glass is placed in the trash.
 |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. Hot glass looks the same as cold glass.
 |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. It’s okay to leave an open flame unattended.
 |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. You are allowed to enter the chemical preparation/storage area anytime you need to get an item.
 |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. Never remove chemicals or other equipment from the laboratory.
 |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. All chemicals in the lab are to be considered dangerous.
 |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. Work areas should be kept clean and tidy.
 |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. Return all unused chemicals to their original containers.
 |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. Laboratory work can be started immediately upon entering the laboratory even if the instructor is not present yet.

  |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. All unauthorized experiments are prohibited (not allowed).
 |