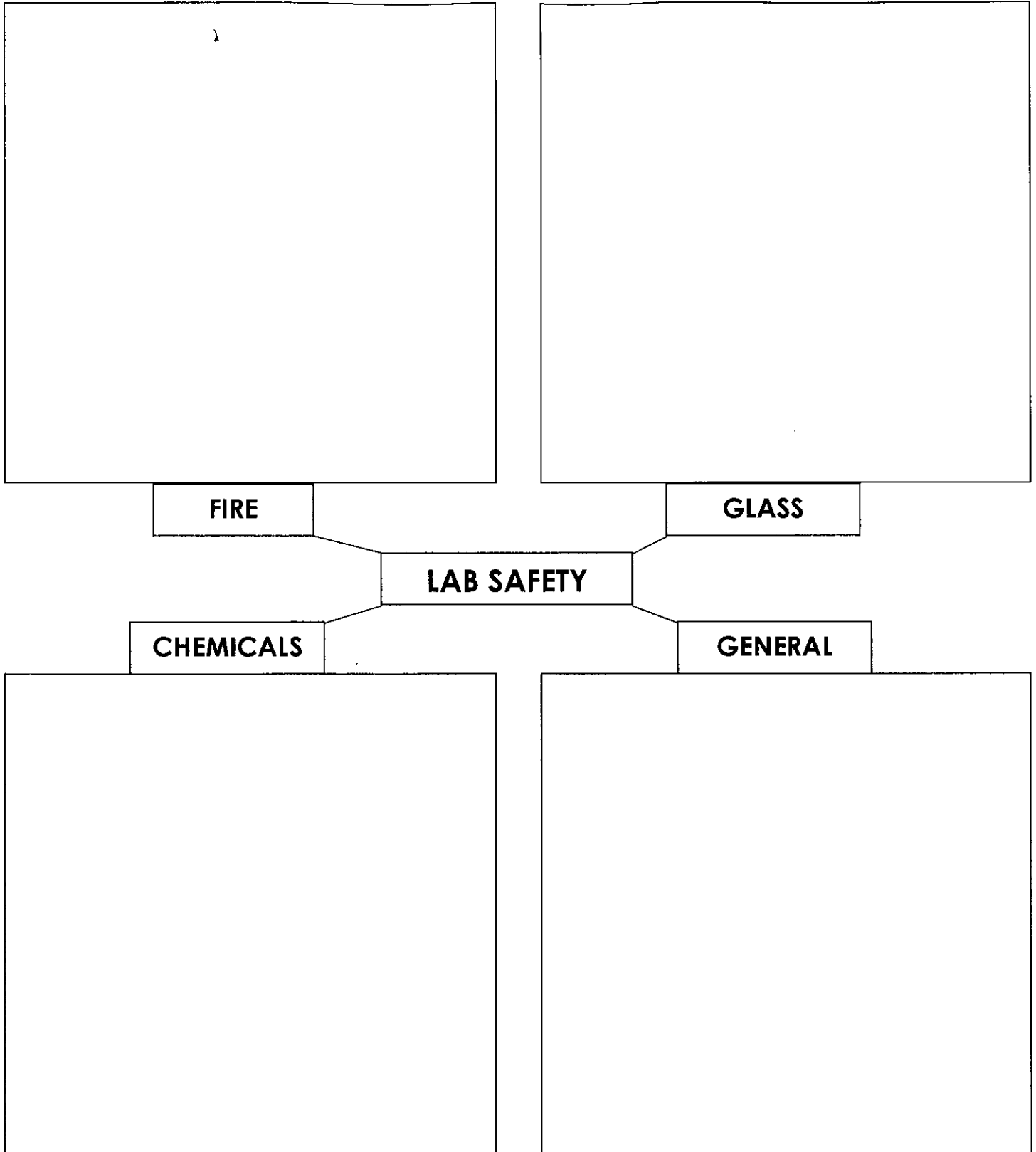


Staying Safe in Science

Name _____ Date _____ Hour _____

Directions: For this assignment, you will need a copy of our class's Lab Safety Contract to complete 3 activities that will help familiarize you with the guidelines for this class.

Activity #1 *Graphic Organizer* – Organize the safety guidelines using the structure provided. You can add to the structure, if necessary.



Safety Scenario #1

The teacher was not in the room yet.
Jake began weighing chemicals,
touching them with his hands.
His nose itched, so he rubbed it.

1

Safety Scenario #2

Heather and Jennifer were absent
the day before when the investigation was
discussed. They gathered the materials and
watched their classmates to see what to do,
not taking time to read the directions.

2

Safety Scenario #3

Sam was heating a test tube.
He didn't put on safety goggles
since he was wearing glasses.
He slanted the tube away from his work
area, but toward students
on the opposite side of his lab table.

3

Safety Scenario #4

Cindy broke a test tube. Carefully she
picked up pieces with one hand and placed
them in her other hand. Then she dumped
the glass pieces into the wastebasket.

4

Safety Scenario #5

The cuff of Sam's long-sleeved shirt sleeve
caught fire. He ran to show his teacher.

5

Safety Scenario #6

Mike and Colleen had a lot of a chemical
left from their investigation. They dumped
the chemical in the sink and left the water
running in the sink as they left class.

6

Safety Scenario #7

Diana and Mike were going to be late
to their next class. After rushing to put
away a few materials, they left the rest
of the materials on the lab table.

7

LAB SAFETY CONTRACT

PURPOSE:

Science is a hands-on laboratory class. You will be doing lab activities that may require the use of specialized equipment or chemicals. Safety in the classroom is the #1 priority for students, teachers and parents. To ensure a safe classroom, a list of rules and procedures has been developed and provided to you. These rules/procedures must be followed at all times. You will receive two copies of these rules. Both you and a parent or guardian must sign the white copy and return it tomorrow. You may not participate in lab activities until you do. Keep the other copy in your Science Journal so you may refer to it during the school year.

GENERAL GUIDELINES:

1. Responsible behavior is expected at all times. Horseplay can be dangerous.
2. Follow all written and verbal directions carefully. Ask questions if you are not sure of something.
3. Never touch chemicals, equipment, or any other materials until you are told to do so.
4. Perform only the experiment that you are instructed to do by your teacher. Unauthorized experiments are NOT allowed!
5. Keep aisles clear. Push chairs under tables when not in use.
6. Know the location and operating procedures of all safety equipment including the eye wash station, fire blanket and fire extinguisher. Know where the closest exits are located.
7. Notify your teacher immediately of any unsafe conditions that you notice.
8. Clean, rinse and dry all work areas and equipment at the end of an experiment. Return all equipment as directed by your teacher.
9. You are to work at your assigned lab station. DO NOT WANDER AROUND the room or interfere with other lab groups.
10. Students are never permitted in the science storage areas unless given permission by the teacher.
11. Know what to do if a fire drill happens during an experiment! Don't panic! Be sure to close containers, extinguish flames and turn electrical equipment off.

CLOTHING:

12. Students will wear lab goggles any time chemicals, heat, glassware or projectiles are used. There are no exceptions to this rule.
13. During a lab activity, long hair must be tied back and loose/baggy clothing needs to be secured.

ACCIDENTS AND INJURIES:

14. Report any accident (spill, breakage, etc.) or injury (cut, burn, etc.) to your teacher immediately no matter how trivial it may appear.
15. If a chemical should splash in your eye(s) or on your skin, immediately flush with running water at the sink. Notify your teacher.

HANDLING CHEMICALS:

16. All chemicals, even familiar ones, are to be considered dangerous. Never touch, smell or taste anything unless you are told to do so. The proper procedure for smelling chemicals will be demonstrated and explained to you.

17. Keep hands away from face while using chemicals or preserved specimens. Wash your hands with soap and water after using these materials.
18. Dispose of chemical waste as directed by your teacher.
19. NEVER return unused chemicals to their original (stock) containers.
20. NEVER take chemicals or other materials out of the science classroom!

HANDLING GLASSWARE AND EQUIPMENT:

21. Examine glassware before use. Never use chipped or dirty glassware.
22. Never handle broken glass with your bare hands. If glassware breaks, immediately notify your teacher. Use a dust pan and broom to clean broken glass up and put it in the container as directed.
23. Be sure to stay away from any area where students are cleaning up broken glass or spilled chemicals.
24. When removing an electrical plug from a socket, grasp the plug NOT the electrical cord. Hands must be completely dry before touching an electrical switch, plug or outlet. Report and stop using any damaged electrical equipment (frayed cords, exposed wires and loose connections).
25. If you do not understand how to use a piece of equipment, ask your teacher.

HEATING SUBSTANCES:

26. Exercise extreme caution when using any type of burner. Never reach over an exposed flame or put anything into the flame.
27. NEVER fool around with matches. Be sure to put used matches in the water beaker provided.
28. Never leave a lit burner or candle or anything being heated unattended.
29. When heating substances in a test tube do not point the open end at yourself or anyone else.
30. Never look into a container being heated.

QUESTIONS:

Do you have allergies? Yes No
 Do you have asthma? Yes No

AGREEMENT:

I, _____ HAVE READ AND AGREE TO FOLLOW ALL OF THE SAFETY RULES AND PROCEDURES SET FORTH IN THIS CONTRACT. I AM AWARE THAT ANY VIOLATION OF THIS SAFETY CONTRACT MAY RESULT IN MY REMOVAL FROM THE LAB, DETENTION, RECEIVING A FAILING GRADE FOR THE LAB OR REMOVAL FROM FURTHER ACTIVITIES.

_____ Student signature _____ Date

I HAVE REVIEWED THE LAB SAFETY CONTRACT WITH MY STUDENT.

_____ Parent/Guardian signature _____ Date