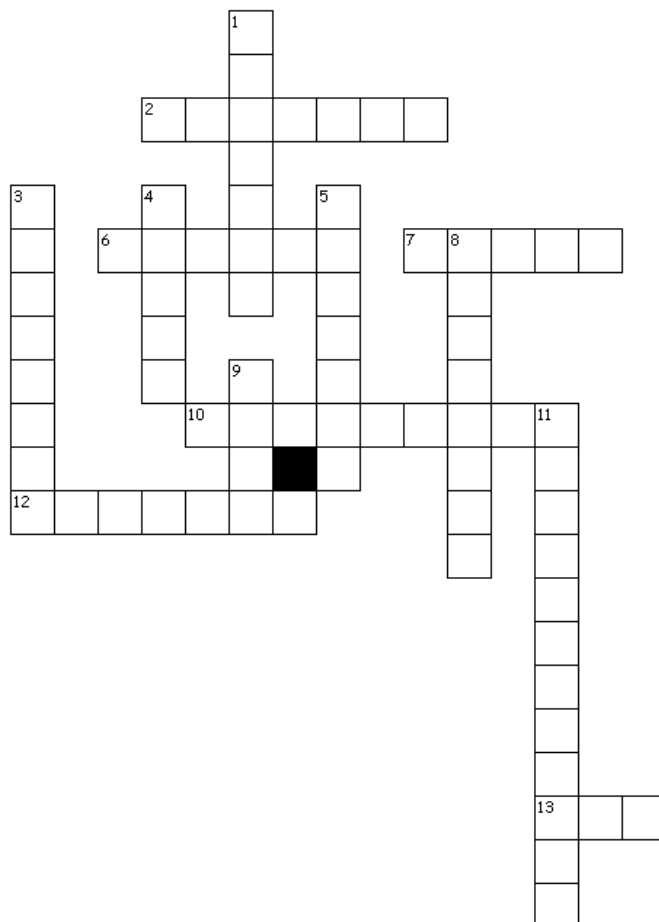


LAB SAFETY

While you are waiting your turn for the flame test, read the following accounts about how accidents happen in the lab. Once you have finished complete the following crossword puzzle based on the article, the rules of lab safety in the classroom and/or your safety drawing of our classroom. You may work with a partner.

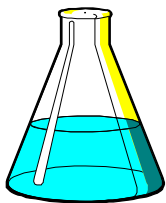


Across

2. who you notify in case of an accident
6. its our first concern in chemistry class
7. pour only into a clean dry container
10. what you wash and store after use in the lab
12. first thing on, last thing off
13. chemical formula for hydrochloric acid

Down

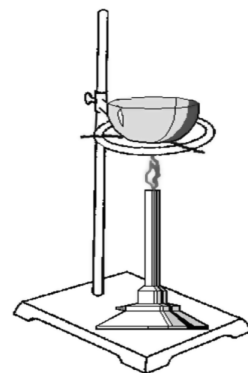
1. used to smother out a small fire
3. loose fitting _____ is not appropriate for lab
4. tells you chemical name and concentration
5. use this to rinse chemicals from your eyes for at least 15 minutes
8. what you **DON'T** wear during lab
9. this color indicates the flame of a Bunsen burner is at its hottest
11. used to put out larger fires



STUDENT SAFETY CONTRACT

A science laboratory can be a safe place in which to work if you, the student, are foresighted, alert and cautious. It is important that all regulations are followed at all times. **Failure to adhere to these safety regulations will result in immediate termination of the lab you are presently working on well, as well as possible future labs.**

The following safety regulations are to be learned by you as a science student. **You must be able to demonstrate proficiency with these regulations before you will be allowed to participate in the laboratory.**



While In The Laboratory, @ ALL TIMES:

1. ALWAYS READ THE DIRECTIONS. Never perform personally designed experiment unless assigned or approved by your instructor.
1. Always work with your assigned group or partner @ your assigned station.
2. Know the **location** of the following items in the laboratory:
eyewash stations safety blanket safety goggles phone
safety shower fire extinguisher first aid kit
3. Before starting to work, tie back long hair, roll up long sleeves, keep work area neat and uncluttered, and put on any protective equipment your teacher provides. Never consume food, drinks, or *apply cosmetics* in the laboratory as these items can spill and ruin lab results and may make food harmful to eat. Take only assigned materials to your station. Leave books, notebooks, and backpacks at your table.
4. **Do not eat, taste, put anything into your mouth, or smell substances during the laboratory session unless you are instructed to.** Always smell chemicals by wafting the source towards your nose with your hand.
5. Report any accident, incident, or hazard - **no matter how trivial** - to your instructor immediately!
6. Do NOT sit on top of lab benches, run, or horseplay in the lab area.
7. Dump chemicals ONLY in the assigned sinks; the plumbing is old or clogged in some areas of the lab room, so this is IMPORTANT.
8. **Clean your work area at the conclusion of the lab.** Leave your station as clean *or cleaner* than you found it for the next class. You will only be dismissed when your lab station is clean.
9. Never remove anything from the lab.
10. You or your parents will be held **financially responsible** for all equipment broken through neglect or misuse.



Eye Safety

1. Wear safety goggles as directed. Never bring objects close to your eyes unless you're specifically instructed to do so.
2. In case of an eye contact or injury, go the eye wash *immediately*. Report the accident to the instructor.
3. If goggles are required, you may not wear contact lenses during the laboratory.

Electrical Safety

4. Never use electrical equipment with frayed cords.
5. Never use electrical equipment around water, wet hands, or wet clothing.
6. When removing a plug, always pull the plug and *not* the electrical cord.

Sharp Object Safety

7. Use extreme care with all sharp instruments like scalpels and razor blades. Never cut objects while holding them in your hand.

Chemical Safety

8. Never mix chemicals unless instructed to do so.
9. Always handle any chemicals and/or solutions with care.

Proper Waste Disposal

10. Dispose of sharp objects, chemical, and contaminated objects in the designated special container. Don't throw anything into the sinks or trash cans unless directed to do so by your teacher. Throw all dissection parts and/or animals in designated plastic-lined containers.

Hygiene Care

12. Keep your hands away from your face, eyes, and mouth. Be sure to wash your hands *thoroughly* after the lab.
13. Report any **open skin wounds** on your hands *before the lab begins*.

Heating Safety

11. Use tongs or appropriate insulated holders when handling hot or heated items.
12. Always point heated test tubes **away** from anyone.
13. Keep anything flammable **away** from a heat source unless directed.

Glassware Safety

17. Report any chipped or cracked glassware immediately to your instructor.
18. *Never touch or pick up broken glass with your hands.* Always clean up broken glass by using a brush and dustpan.

I have read, understood, and agreed to follow these rules of safety. I agree to abide by any additional instructions provided by my teacher. I further understand that abuse of the above rules will result in loss of laboratory privileges and inability to complete laboratories.

Student _____

Parent/ Guardian _____ Date _____