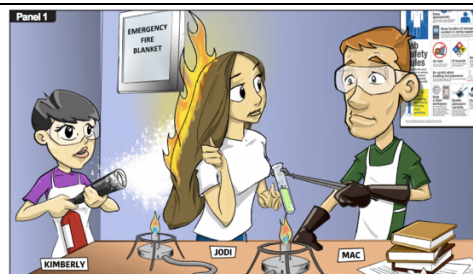


Lab safety worksheet

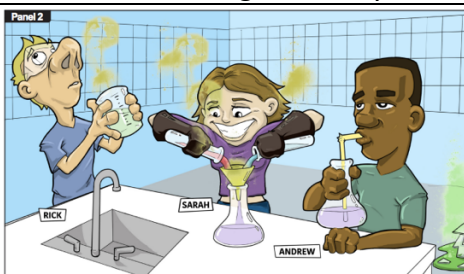
Look at the cartoons and answer the questions concerning lab safety.



1. List 2 unsafe activities in this picture and explain how they should be changed to make them safe.

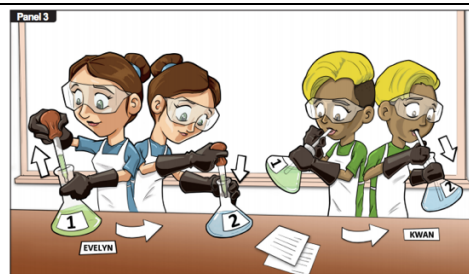
a.

b.



2. How should Rick correct his technique?

3. Are these students behaving appropriately? If not, what should they be doing differently?



4. Compare Evelyn's technique with Kwan's technique.

5. Whose technique is the correct one? Why?



6. List two things that should NOT be in the lab.

a.

b.

7. What unsafe activity is shown in this picture?

8. What will happen to the students who are doing the unsafe activity?



9. Describe Jarvis' error.

10. Who in this scenario is performing a correct procedure? What is the correct procedure?

11. What is Penny doing wrong?



12. What is wrong with Ernie's behavior?

13. Why is Lydia's behavior appropriate? Why is it important in a laboratory setting?



Lab safety scenarios



Read through each scenario. Under the scenario, write which lab safety rule is being broken.

1. During the lab in class, Carlos realizes his group needs more chemicals. Without asking the teacher, he leaves the room and enters the science prep room and storage areas to retrieve more chemicals for his lab.
2. Jane is participating in a lab in which she blows carbon dioxide into a beaker of chemicals. Some of the chemical bubbles up and gets in her eye. Her lab partners tell her to use the eye wash fountains to rinse her eye out; however, she does not know where the eyewash fountains are located.
3. It's the first lab in science class and Harry just cannot control his excitement. Without waiting for instructions, Harry turns on the hot plate. His lab partner doesn't know it's on and reaches over to grab her pencil and gets burned.
4. Brent is in 1st period and he skipped breakfast today. He decides to have a bagel in his backpack and he will eat it during class when the teacher is not looking.
5. In order to make sure the correct chemical is being used, Ben smells the chemical. Instead of using his hand to waft the vapors toward his nose, he sticks his face as close as he can to the chemical and takes a big whiff of the tray. He feels dizzy and his nose burns for the rest of the day.
6. Liz goes into the lab with her backpack on her back. She turns to talk to her friend and her backpack knocks a beaker full of chemical onto the floor and it shatters.
7. Rachel wants to look as pretty as possible all the time and so there is no way she will be caught wearing these nerdy protective eye goggles. She continues through her lab without any problems until Joel accidentally knocks into her table. He knocks over a beaker of boiling chemical and it splashes into Rachel's eye.
8. 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.
9. 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.
10. 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.
11. The teacher was not in the room yet. Jake began weighing chemicals, touching them with his hands. His nose itched so he rubbed it.
12. 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.
13. Students are conducting an experiment to see what colors different salts turn when they are burned. Jack dares Rebecca to taste the other salts to see if they taste like regular table salt.
14. What is the consequence of not following the lab rules and procedures?
15. Why is it dangerous to not follow the lab rules and procedures?