

### **Safety Match-up Activity**

So you think you know proper Lab Safety? Before you are eight different scenarios and eighteen different lab safety rules. As a group you each need to decide which rules are being broken (if any) during each scene. If you find that you all get stuck you have a total of three hints. For each "ticket" you can find the placement of one rule of your choice. Not all rules will be used and there will be no more than two rules per scenario.

### **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.

### **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.

### **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.

### **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.

### **Safety Scenario #5**

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

### **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.

### **Safety Scenario #7**

Diane 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.

### **Lab Safety Rule #1**

ALWAYS read the lab procedures before beginning the lab.

### **Lab Safety Rule #2**

Carefully follow directions, both written and oral. Do only the steps described in the procedure of the experiment or that are described and/or approved by the teacher. If you are in doubt about any procedure, ask your teacher for help.

### **Lab Safety Rule #3**

Everyone should be alert and proceed with caution at all times in the laboratory. Take care not to bump another student and to remain at you lab station while performing an experiment. An unattended experiment can result in an accident.

### **Lab Safety Rule #4**

Wear safety glasses/goggles (you should only be told once). Aprons are required for some experiments. You may wear aprons at our discretion for any experiment to avoid staining or ruining you clothing

### **Lab Safety Rule #5**

Clothing should be appropriate for working in the lab. No loose clothing, accessories, or jewelry. Some labs require long pants and shoes that cover the entire foot. Long hair should be tied back.

### **Lab Safety Rule #6**

Do not engage in horseplay such as tickling, throwing objects, squirting water, etc. Misbehavior such as horseplay could result in your dismissal from the classroom, a "zero" on the lab activity, and not being allowed to participate in future labs and activities.

### **Lab Safety Rule #7**

If you cut yourself, spill a chemical on yourself, or receive a burn by touching hot object, notify your teacher immediately.

### **Lab Safety Rule #8**

Learn the location of the emergency equipment in your school lab.

### **Lab Safety Rule #9**

DO NOT TASTE, TOUCH, OR SMELL ANY REAGENTS unless directed to do so by your teacher. When smelling chemicals, use a wafting motion to direct the odor toward your nose.

### **Lab Safety Rule #10**

When heating a substance in a test tube, be careful not to point the mouth of the test tube at another person or yourself.

### **Lab Safety Rule #11**

Use caution and the proper equipment to handle hot objects. Cool glass looks just the same as hot glass.

### **Lab Safety Rule #12**

Handle chemicals carefully. Check the label of all bottles before removing the contents. Take only as much as you need. Do not return unused chemical to the reagent bottles. Report all spills or incorrect procedure to the teacher.

### **Lab Safety Rule #13**

Never handle broken glass with your bare hands, Report all breakage or loss of apparatus to your teacher. Dispose of the broken glass into the designated broken glass container.

### **Lab Safety Rule #14**

Keep insoluble waste material out of the sink. Dispose of waste material as instructed by your teacher. (The sinks are not garbage cans!!!!)

### **Lab Safety Rule #15**

Work areas should be clean and tidy at all times. Only lab procedures, lab notebooks, pencils, and sometimes calculators should be brought to the work area.

## **Lab Safety Rule #16**

Please wash your hands with antibacterial soap before and after the lab. Notify your teacher before you begin the lab of any health problems you have which may have compromised your immune system.

## **Lab Safety Rule #17**

When an experiment is completed, always clean equipment and return it to the proper place. Clean your lab table.

## **Lab Safety Rule #18**

Drinking and eating during lab is prohibited. Talking quietly is permitted, but it should not interfere with your work.

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