

 **Activity 1.2.1 Surrounded by Safety****Purpose**

Knowing where safety equipment is located and what hazards exist in the laboratory are critical in protecting yourself and others. Even when you are careful and following procedures, accidents can happen. To protect yourself and others, know where to find emergency equipment and supplies quickly. The first priority in any emergency situation is to remain calm. Assess the situation and determine what action needs to be taken. What are the hazards and where are the emergency items stored?

**Materials****Per class:**

- Safety equipment
- Laboratory equipment
- PPE

**Per student:**

- Colored pencils
- *APB Laboratory Safety Manual*
- Pen
- *Agriscience Notebook*

**Procedure**

In this activity, you will locate various pieces of emergency equipment that may be needed in a laboratory emergency as well as equipment items that pose a threat to your safety. Your teacher will give a guided tour of the laboratory. After the tour, complete the following steps.

1. Draw a map of the laboratory in Table 1.
2. Develop a key to label each symbol representing the items on the map.
3. Using a red colored pencil, record the location of each piece of safety equipment on your map.
4. Using a yellow colored pencil, record the location of potential safety hazards on your map.
5. Using a green colored pencil, record the location of personal protective equipment on your map.
6. In Table 2, record each safety item and the description, location, and use for the item.
7. In Table 3, record each safety hazard and the potential harm of that hazard. Then discuss risk prevention methods and personal protective equipment appropriate for the situation. Finally, list the safety and emergency equipment available in case of accidents. Refer to the *APB Laboratory Safety Manual* for specific information.

**Conclusion**

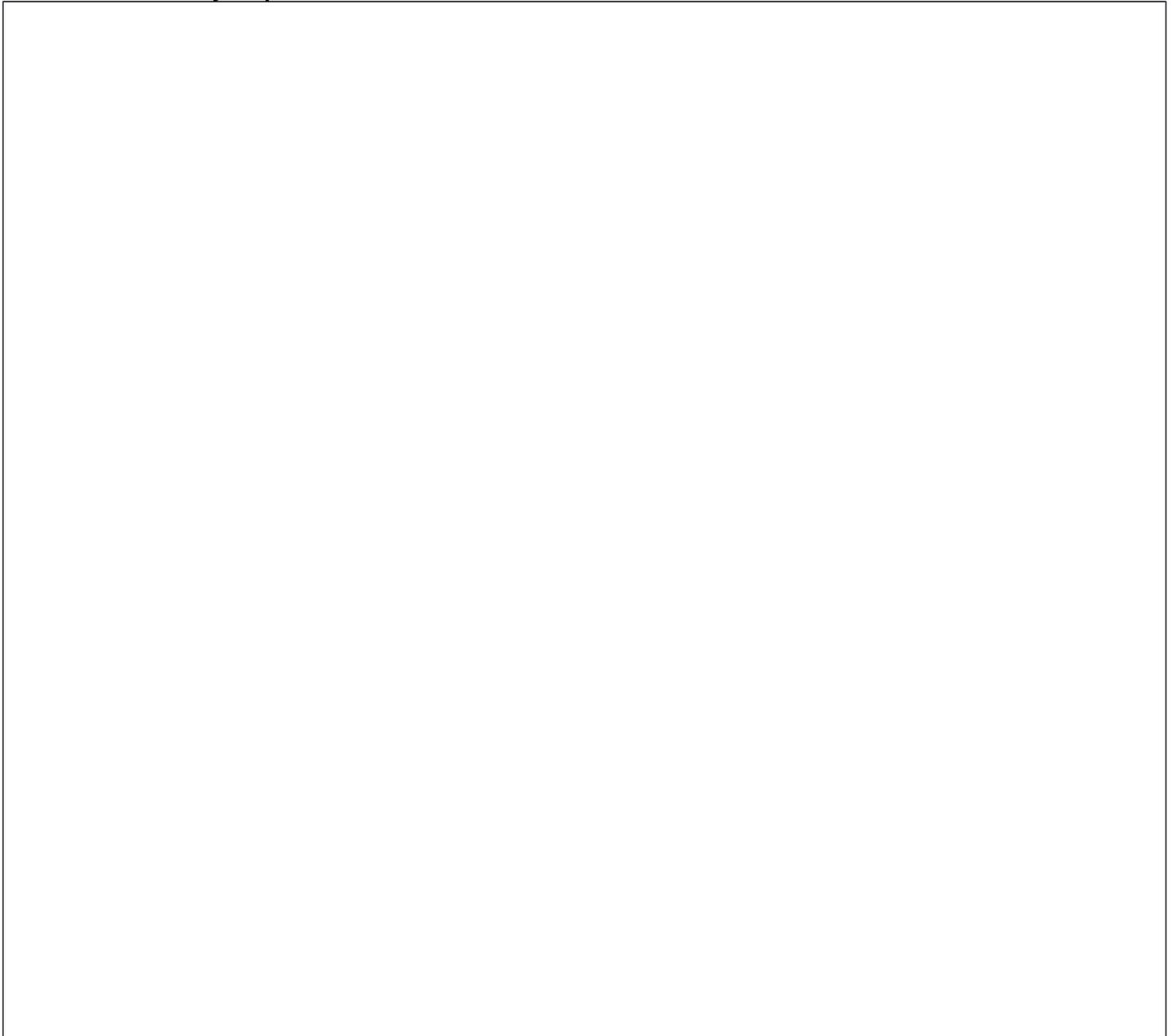
1. How will the knowledge of the location of safety equipment be helpful in an emergency?  
**The issue would be done with right away since you know what safety station to go to.**
2. How can you prevent destruction of equipment, research data, and personal belongings in the laboratory?  
**Follow all experiment procedures.**
3. In addition to using the proper equipment, what else should you do when an accident happens?  
**Don't panic or touch anything, notify your teacher right away.**



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

## Activity 1.2.1 Student Worksheet

**Table 1. *Laboratory Map***



Key



