

Safety First

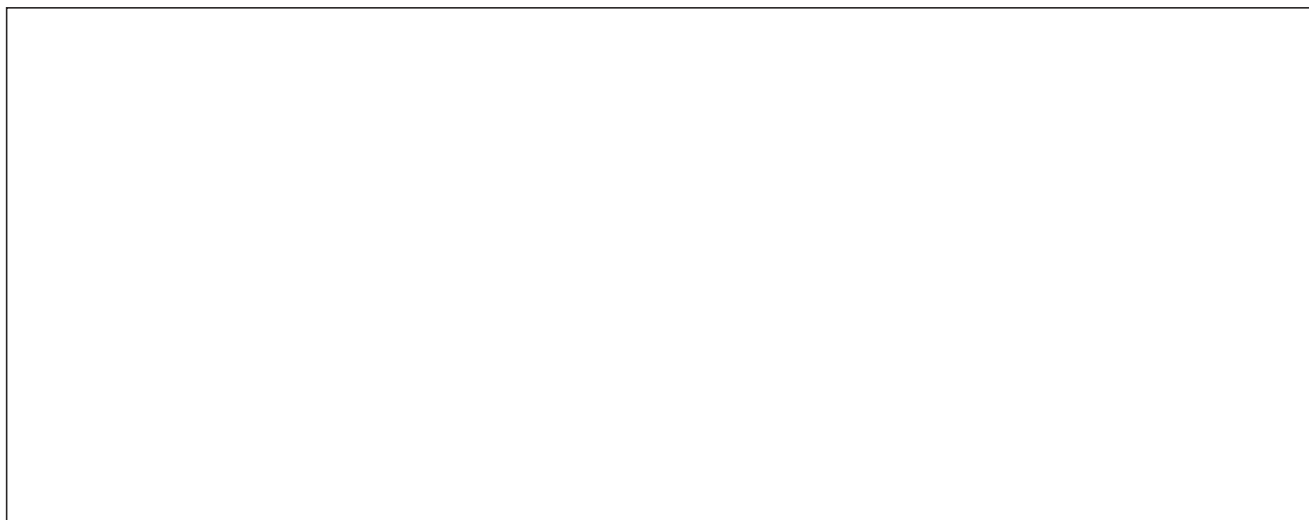
What practices are followed to ensure safety in the laboratory?

Why?

Academic laboratory accidents are estimated to occur 10–50 times more frequently than chemical plant accidents. Laboratory accidents often have unexpected outcomes that may result in permanent injury. Dressing appropriately and following laboratory safety rules will reduce the incidence and severity of accidents and help keep students safe.

1. Create a laboratory safety diagram in the space below by doing the following:
 - a. Sketch the outline of your laboratory room including all doors and windows.
 - b. Mark and label the position of the following laboratory safety equipment.
 1. Fire blanket
 2. Fire extinguisher
 3. Safety shower
 4. Eyewash station
 5. Fume hood
 6. Chemical disposal area
 7. Broken glassware disposal
 8. Chemical spill clean-up kit
 9. Location of goggles
 10. Location of gloves
 - c. Locate and read the evacuation instructions that are posted in your laboratory. Describe how you should evacuate in case of an accident.
 - d. Label the fire exits in the diagram and add the evacuation route to your picture (this should be posted in your room).

Laboratory Safety Diagram



2. Biohazard materials are disposed of in biohazard bags when you are finished working with them.
 - a. On the diagram above, label where the bags are generally located.
 - b. What color are the bags?