

Critical Work Function: Maintain a safe and productive work environment

Key Activity: Recognize unsafe conditions and take corrective and/or preventative action(s)

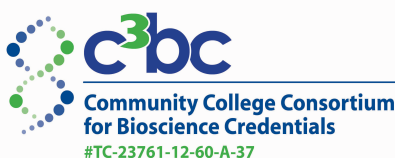
Assessment:

Before working in any lab or facility, students should be aware of all of the hazards and safety equipment within that space. Students can be tested on their awareness of these features by asking them to draw a diagram of a laboratory or facility in which they work and asking them to label the diagram with the relevant hazards and safety features. Students' diagrams should include the following:

- Entrance/exit doors
- Fume hoods
- Hazardous waste disposal receptacles
- Fire extinguishers
- Eye wash
- Sink
- Chemical spill kit
- Broom and dust pan (may be included in spill kit)
- Storage locations for hazardous chemicals

Resources for teaching:

- Seidman, L.A., and C.J. Moore. 2009. Introduction to a Safe Workplace. pp 133-144 *In: Basic Laboratory Methods for Biotechnology* Pearson Education, Inc., San Francisco, CA.
- Seidman, L.A., and C.J. Moore. 2009. Working Safely in the Laboratory: General Considerations and Physical Hazards. pp 145-160 *In: Basic Laboratory Methods for Biotechnology* Pearson Education, Inc., San Francisco, CA
- Seidman, L.A., M.E. Kraus, D.L. Brandner, J. Mowery. 2011. Classroom Activity 3: Responding to Emergencies. Pp 9-11 *In: Laboratory Manual for Biotechnology and Laboratory Science* Pearson Education, Inc., San Francisco, CA.



This product was funded by a grant awarded by the U.S. Department of Labor's Employment and Training Administration. The product was created by the grantee and does not necessarily reflect the official position of the U.S. Department of Labor. The Department of Labor makes no guarantees, warranties, or assurances of any kind, expressed or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership.