

**CHM138LL CHEMISTRY FOR ALLIED HEALTH LABORATORY**  
**SELF QUIZ ON LABORATORY SAFETY**

1. Give reasons for the following safety rules.
  - (a) Contact lenses should not be worn in the laboratory.
  - (b) A chemical spill should be washed off with water, not with solvent.
  - (c) Solvents are not to be poured down the sink.
  - (d) Water should not be used to extinguish laboratory fires.
  - (e) Acids are diluted by adding the acid to cold water.
  - (f) Broken glass must be removed immediately and disposed into the designated container.
  - (g) Open toed shoes should not be worn to the laboratory.
  
2. What should you do in each of the following circumstances?
  - (a) Your neighbor splashes a chemical into his eye.
  - (b) A strong acid spills onto your hands.
  - (c) You spill a large amount of diethyl ether on the bench top.
  - (d) Your neighbor's clothing catches fire.
  - (e) Your reaction flask catches fire.
  
3. What would be the heat source(s) of choice for boiling each of the following solvents?
  - (a) Diethyl ether, bp 35° C
  - (b) Water, bp 100° C
  - (c) Ethanol, bp 78° C
  - (d) Acetone, bp 56° C
  
4. Find the following items in your student laboratory.
  - (a) Fire extinguishers
  - (b) Eye wash fountains
  - (c) Emergency Evacuation Plan

- (d) MSDS's
- (e) First aid kit
- (f) Closest phone for use in emergency situations