

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