Name (Print)_____ Department_____

Chemistry 685-Safety Seminar
Electrical Safety
January 16, 2001

1) Name two hazards that are associated with the use of electricity.

2) Two conductor, plastic insulated, "zip" wire is a poor choice for laboratory use because:

A) The insulation is not rubber coated
B) There is no ground wire
C) It is not approved for laboratory use
D) All of the above

3) The wiring for the neutral or return side of a standard outlet can be white, red, or blue. The only contact that has a standard color for its wire is the safety ground. What is that color?

4) Electrical shock has different effects on the body depending on how much current is being applied. For high currents (more than 5 amps), the major effect is:

For currents in the range of 100-300 milliamps, the major effect is:

5) Fuses and circuit breakers are designed to protect wiring and equipment from too much current. The only device that protects people from too much current is called:

6) Lock-Out Tag-Out refers to an OSHA standard that provides a mechanism for shutting down energized equipment and locking it out so that it cannot be turned back on accidentally. As a user of electrical equipment, your main responsibility is to do what when you see a device that is locked out or tagged out?