Last Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ First Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Department: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Email:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Principal Investigator Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Telephone Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What do you do if you see a white flashing light and hear an intermittent tone?

[ ] a. Evacuate from the building and proceed to your rally point

[ ] b. Call the emergency number

[ ] c. Stay in your laboratory

[ ] d. Call your principal investigator

1. For any emergency in the laboratory, you should:

[ ] a. Call Security at 518-437-8600 and call your principal investigator

[ ] b. Pull the fire alarm

[ ] c. Go to your rally point

[ ] d. Rinse for 15 minutes

1. Where can you find an SDS (safety data sheet) for a chemical?

[ ] a. EHS Office and Hazmin

[ ] b. Security Office

[ ] c. ERT Office

[ ] d. Document Control Office

1. How can you be exposed to a chemical? (check all that apply)

[ ] a. Injection

[ ] b. Ingestion

[ ] c. Inhalation

[ ] d. Absorption

1. Which is not applicable when responding to a spill of >1 pint of a hazardous or unknown chemical?

[ ] a. Call security

[ ] b. Notify others in the area

[ ] c. Begin cleaning up while waiting for ERTs

[ ] d. Barricade area

1. [ ] True or [ ]  False. Chemicals should be stored based upon compatibility.
2. [ ] True or [ ]  False. Secondary containment is not required when storing chemicals.
3. What do you do with any hazardous chemical waste you create?

[ ] a. Dump it in the nearest trash container

[ ] b. Dump it down the sink drain

[ ] c. Call the emergency number

[ ] d. Complete a hazardous chemical waste label and put it in a hazardous waste accumulation area

[ ] e. Place it in an unlabeled bag in a fume hood and go to lunch

1. Which is not defined as a characteristic of hazardous waste?

[ ] a. Ignitable (FP < 140°F)

[ ] b. Slimey, sticky, and stinky

[ ] c. Reactive

[ ] d. Toxic

[ ] e. Corrosive (pH <2 and >12.5)

1. Where can you find information on SUNYPOLY Environmental, Health and Safety (EHS) policies & procedures and view the approved chemical list (HAZMIN database)?

[ ] a. Security Office

[ ] b. Library

[ ] c. SUNYPOLY Intranet – EHS Page

[ ] d. NanoBite Cafe

1. [ ] True or [ ]  False. Students must never defeat, tamper with, ignore, or operate any devices such as a valve or electrical switch, or start up any equipment that is locked or tagged out.

1. [ ] True or [ ]  False. A “Buddy” is required when working with high hazard materials, required to call Security in case of emergency, and required to assist co-workers during an emergency.
2. In the event of an emergency evacuation who gives the all clear?

[ ] a. Principal Investigator

[ ] b. Registrar

[ ] c. Emergency Response Team (ERT) member

1. [ ] True or [ ]  False. If a chemical is rated 3 or greater in any NFPA hazard category, the material is an HPM (Hazardous Production Material) and may require a lab-specific SOP (Standard Operating Procedure).
2. What action do you take if you observe a potentially unsafe condition such as unsafe behavior, lack of training, improper equipment, etc., in the laboratory?

[ ] a. Notify a tool contractor

[ ] b. Immediately notify my principal investigator

[ ] c. Notify my friend

1. [ ] True or [ ]  False. When diluting acid, always add acid to water.
2. Which of the following does not apply when a lab worker is splashed with a corrosive chemical:

[ ] a. Rinse using emergency shower for at least 15 minutes

[ ] b. Remove contaminated clothing

[ ] c. Treat burn area with calcium gluconate

[ ] d. Call Security at 518-437-8600

1. [ ] True or [ ]  False. Hydrofluoric acid burns may not be apparent for up to 24 hours.

Answer the following questions using the SDS for Tetrahydrofuran (attached after quiz questions):

1. What are the correct NFPA Codes for THF?

[ ] a. 2-3-0

[ ] b. 1-1-0

[ ] c. 3-2-4

[ ] d. 1-2-1

1. What is the flash point?

[ ] a. -40°C

[ ] b. -17°C

[ ] c. 0°C

[ ] d. 10°C

1. Which is not a hazard statement for THF?

[ ] a. Harmful if swallowed

[ ] b. Causes skin irritation

[ ] c. Causes severe skin burns and eye damage

[ ] d. Suspected of causing cancer

1. Which is not listed as a precaution for “Handling and Storage”?

[ ] a. Recommended storage temperature: 2-8°C

[ ] b. Air and moisture sensitive

[ ] c. Store under inert gas

[ ] d. Dry residue is explosive

1. What section of the SDS contains the OSHA PEL (8-hour Permissible Exposure Limit) for THF?

[ ] a. Section 8: Exposure Control / Personal Protection

[ ] b. Section 9: Physical and Chemical Properties

[ ] c. Section 11: Toxicological Information

[ ] d. Section 15: Regulatory Information

Student Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_