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: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_