Grade 9 Applied Science – Unit 1 Lesson 2

Safety in the Lab

Safety is paramount in a science lab. Safety includes safe chemical storage, safe chemical use, proper use of equipment, safety equipment and partner work.

Scavenger Hunt

- Sketch a map of the science lab noting the location of desks, lab benches and other furniture
- On your map, locate each of the following safety equipment. Use the number to note the location of the equipment on your map.
    1. Fire extinguisher
    2. Fire blanket
    3. Fire alarm
    4. Safety goggles
    5. Aprons
    6. Eyewash station
    7. Exits
    8. Telephone
    9. Disposal container for broken glass
    10. Disposal container for chemicals
    11. Fume hood

WHMIS and Hazardous Household Product symbols

- Examine the following symbols
- Identify the meaning of each symbol
- Complete the following table identifying the safety concern and precautions

Table 1. WHMIS Symbols

Symbol	Meaning	Concern	Precautions
			

			
			
			

			
			
			
			

Table 2. Household Hazardous Products symbols

Symbol	Meaning
	
	
	
	

Questions

1. Why is it important to use a standard set of safety symbols when labeling substances?

2. Briefly describe what you would do if your skin on your arm came in contact with a corrosive chemical.

3. Is it always safe to pour waste chemicals down the sink with lots of water? Provide two reasons with your answer.

4. Why do hairdressers wear rubber gloves when colouring or chemically straightening hair?