**SAFETY RULES**

1. Behave Responsibly:

* No \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Arrive \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* No \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ experiments

1. Be Safe:

* Wear protective equipment (Wear \_\_\_\_\_\_\_\_\_\_\_\_ when working with \_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_
* Know the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_of safety equipment (fire extinguisher, fire blanket, fire pull station, emergency shower, eye wash station, broken glass receptacle, etc)
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ accidents
* Dress Appropriately: (secure long hair, clothing, jewellery. No open-toed shoes.

1. Glassware Safety:

* Never use \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ glassware
* \_\_\_\_\_\_\_\_\_\_\_\_ broken glassware and place in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ container.

1. Electrical Safety

* Do not use cords that are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Pull on plug, not cord.

1. Chemical Safety

* Treat all chemicals as if they are \_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_ chemical spills on skin with \_\_\_\_\_\_\_\_\_\_\_
* Always check with teacher how to dispose of used chemicals: eg. designated container, not down sink.
* \_\_\_\_\_\_\_\_\_\_\_\_ if you need to detect odor

1. Fire Safety

* Never leave Bunsen burner \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Point open glassware \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ from you and others.
* Do not \_\_\_\_\_\_\_\_\_\_\_\_ over flame
* Tie back long hair and loose clothing.

1. Sharps Safety: Place sharps in designated container
2. Food Safety: No \_\_\_\_\_\_\_\_\_\_\_, drinking, applying make up during experiments!
3. Clean up when finished:

* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ materials and equipment.
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of chemical waste properly (designated container).
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ counter.
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ hands

**SAFETY SYMBOLS**

**HHPS Symbols -** Used for products in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

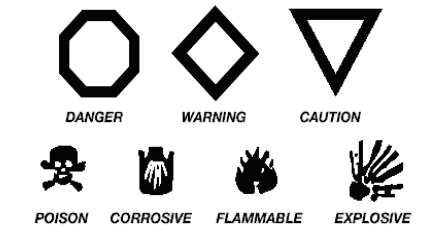
H\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

H\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

P\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

S\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Type of Danger:



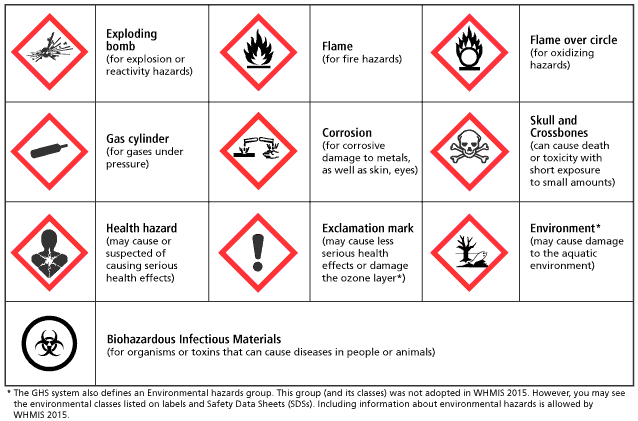
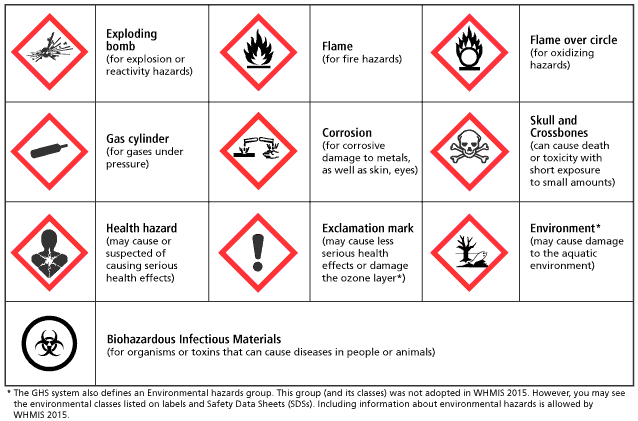
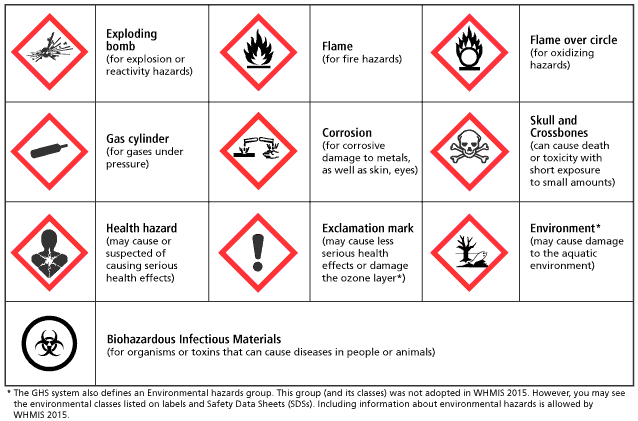
**WHMIS SYMBOLS –** For products at work

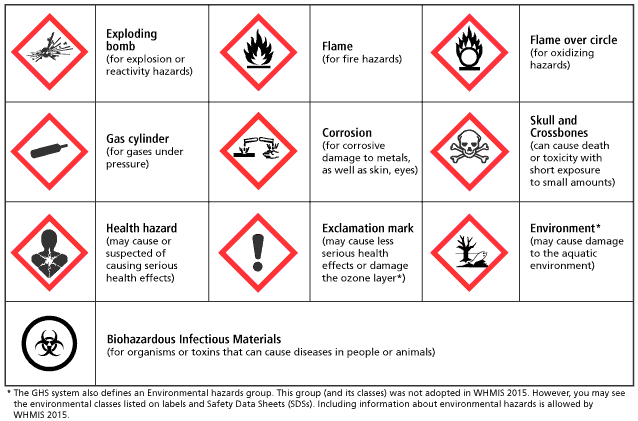


**What’s the difference?**

WHMIS symbols identify a wider range of hazards than HHPS symbols

* WHMIS symbols for hazardous products in the **workplace**.
* WHMIS symbols identify a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of hazards than HHPS symbols
* Only \_\_\_\_\_\_\_\_\_\_\_\_\_\_ shape around the symbol.





WHMIS Labels have a lot of information on them. Most importantly they:

1. Alert the user to the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the product​
2. State what \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to take when handling the product.​
3. Refer the user to a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_data sheet (MSDS) for more detailed information about the product.

Hazardous waste cannot be disposed like normal trash in landfills but must go to designated facilities.



**Safety Symbol Assignment**  Name:

1. Now that you have learned about what the product safety symbols mean, list some of the most common safety precautions you will take when handling chemicals in the lab.
2. What kinds of products do you think you will use in this science until that may fall under the title of hazardous products?
3. What does WHMIS stand for?
4. What does HHPS stand for?
5. Draw the WHMIS symbol for:
6. Flammable Material b) Corrosive Material c) Oxidizing Agent
7. Look around your household. What material can you find that have either WHMIS or HHPS symbols. List the products and what their symbols mean:

|  |  |  |  |
| --- | --- | --- | --- |
| Product | Drawing of Symbol | Symbol Meaning | Precautions |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |