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GRCI SCIENCE

Date:

WHMIS

WHMIS or Workplace Hazardous Materials Information System is a comprehensive national legislated program that insures your "right to know" about the chemicals you are working with at school or on the job.

The **WHMIS** program is the result of joint development by the federal and provincial governments, industry and labour. In Ontario, WHMIS is incorporated into the **Occupational Health and Safety Act**, which states that if you work with materials that may be hazardous to health, information must be provided about these materials to enable you to work safely with them.

WHMIS provides the information we need to know about he hazardous materials (any chemical is potentially harmful) we use in the laboratory through a system of:

- 1. Distinctive labels
- 2. Material Safety Data Sheets (MSDS) by law, manufacturers of all chemical products must provide complete information about their materials using a standardized MSDS format.
- 3. Instructional programs

The **WHMIS** program uses eight (8) distinctive symbols to identify the six (6) classes of hazardous materials.

<u>ACT</u>	TTY 1: Can you figure it out?	
a)	Look carefully at the 8 WHMIS symbols below.	
b)	Have you ever seen these symbols before? If so, see if you can guess what they mean	•
c)	Write your best guess beside each symbol.	
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Now, let's see how you did!

WHMIS Activity

100		Distra	Precautions
Smey and Ash	150mAG		ana Hunaa
Class A: Compressed Gas	Timi-		
Class B: Flammable & Combustible Materials	8		
Class C : Oxidizing Material			
Class D: Poisonous & Infectious Material			
Class D1: Materials Causing Immediate & Serious Toxic Effects		-	
Class D3: Biohazardous Infectious Material			
Corrosive Material			
Class F: Dangerously Reactive Materials			

Hazardous Household Product Symbols

The warning symbols on Household products were developed to show you **HOW** dangerous a product is, and exactly **WHY** it is dangerous.

1. Refer to the table below to become familiar with the hazard symbols.

Symbol	The Danger	Product Examples
Explosive	This container can explode if it's heated or punctured. Flying pieces of metal or plastic can cause serious injuries, especially to the eyes.	 water repellent for shoes or boots in an aerosol container spray paint in an aerosol container
Corrosive	This product will burn skin or eyes on contact, or throat and stomach if swallowed.	toilet bowl cleaneroven cleaner
Flammable	This product , or its fumes, will catch fire easily if it's near heat, flames or sparks.	contact adhesivesgasoline
Poison	Licking, eating, drinking, or sometimes smelling, this product will cause illness or death.	windshield washer fluidfurniture polish

- 2. Do a search of your home and find **at least 10 items** with hazard symbols (products in a supermarket do not have WHMIS symbols).
- 3. Use the table on the back of this page to record the following information:
 - a) The item name
 - b) The **hazard** information -indicate all hazards (there may be more than one)
 - c) Determine what **WHMIS** class this item would belong to and write down the class.

Household Hazards Product Symbols

Name of Product	Hazards	WHMIS
1. Jig-a-Loo (like WD40)	- Danger – Poisonous - Danger – Flammable - Danger – Explosive	D1 B A
	AND THE HAND TO BE TO SEE THE SECOND TO SECOND THE SECOND TO SECOND THE SECON	
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