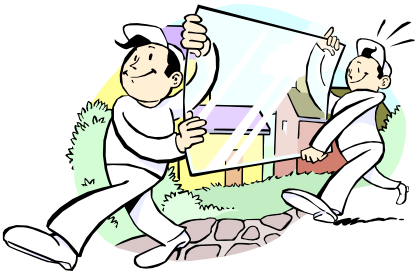
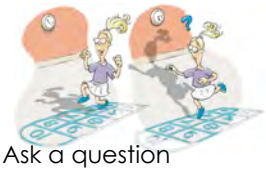
Working document

Student name: _____





Ask a question

Get cleaning!

In your opinion, what is the most effective cleaner to remove wax crayon marks?

Activity 1

The school custodian forgot some bottles on your teacher's desk.

Which product is the most effective to remove wax crayon marks from the classroom windows?



Imagine an explanation

Circle the product that you think will work the best.



Commercial product



Water + lemon juice





Water + vinegar





Water + soap



I think this because

_____

_____

Activity 1 - continued

MIXTURES

When we mix milk and water, what happens?

☐ The two liquids mix together.
☐ The two liquids do not mix together.

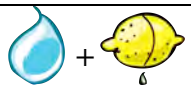
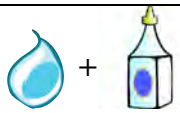
We say these are _____ liquids.

When we mix oil and water, what happens?

☐ The two liquids mix together.
☐ The two liquids do not mix together.

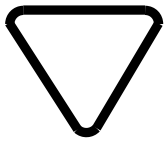
We say these are _____ liquids.

By observing the products, complete the following table.

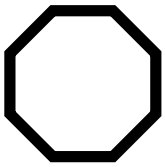
Properties table for the different products				
Product number	**1**	**2**	**3**	**4**
Mixture	 Commercial product	 Water + Lemon juice	 Water + Vinegar	 Water + Dish soap
Liquids	(Miscible) Immiscible	Miscible Immiscible	Miscible Immiscible	Miscible Immiscible
Colour				
Odour				
Transparent or opaque	Transparent Opaque	Transparent Opaque	Transparent Opaque	Transparent Opaque
State (liquid/ solid/gas)	Liquid Solid Gas	Liquid Solid Gas	Liquid Solid Gas	Liquid Solid Gas

Activity 2

Make the correct association.



This shape means that the container is hazardous.



This shape means that the contents are hazardous.

Images drawn from the Stay Safe program, Grade 1 document

http://www.hc-sc.gc.ca/cps-spc/pubs/indust/stay_safe_chem-soyez_securite_chim/index-eng.php

These products or containers are hazardous because they are:

flammable **poison** **corrosive** **explosive**









_____ _____ _____ _____

_____ _____ _____ _____

Images drawn from the Stay Safe program, Grade 1 document

http://www.hc-sc.gc.ca/cps-spc/pubs/indust/stay_safe_chem-soyez_securite_chim/index-eng.php

Homework - Hazard symbols at home
Potentially dangerous household products

With your parents, go around certain rooms in your house and try to find household products that show the hazardous symbols. You can probably find them in the kitchen, bathroom, basement or garage of your home.

Then, you must:

1. **Circle the name of the room** that you chose;
2. **Write the names of the products** that you find in this room;
3. **Circle the pictogram(s)** that you found on each of the bottles.

Kitchen	Basement	Bathroom	Garage
Product: _____		None	
Product: _____		None	
Product: _____		None	
Product: _____		None	
Product: _____		None	
	Total :	_____	_____ _____ _____ _____

Kitchen	Basement	Basement	Garage
Product: _____		None	
Product: _____		None	
Product: _____		None	
Product: _____		None	
Product: _____		None	
	Total :	_____	_____ _____ _____ _____

Activity 3

Remember your hypothesis. Circle the product that you think will be the most effective to remove the wax crayon marks.



Commercial product



Water + lemon juice





Water + vinegar





Water + soap





Carry out your process

Take action with a team mate!

First of all, you must pour 20 mL of the home made product that you want to test into a small bottle.

Using masking tape, identify your little bottle.

What is the name of the instrument of measure that you will use to measure the liquid?

_____

_____

Activity 3 - continued

Test two cleaning products.

1. Prepare two containers by colouring with a dark coloured wax crayon on the bottom of each of them.
2. First of all, draw what you see in each container.

Commercial product	Home made product

3. Pour ten drops of each of the products into each of the containers.
4. Shake each container thirty seconds (back and forth movement).
5. Draw what you observe.

Commercial product	Home made product

6. Did the crayon mark come off the glass?

Commercial product	Home made product
❑Yes ❑No	❑Yes ❑No



Observe and note the results

By observing your results, which product is most effective to clean glass? _____

_____

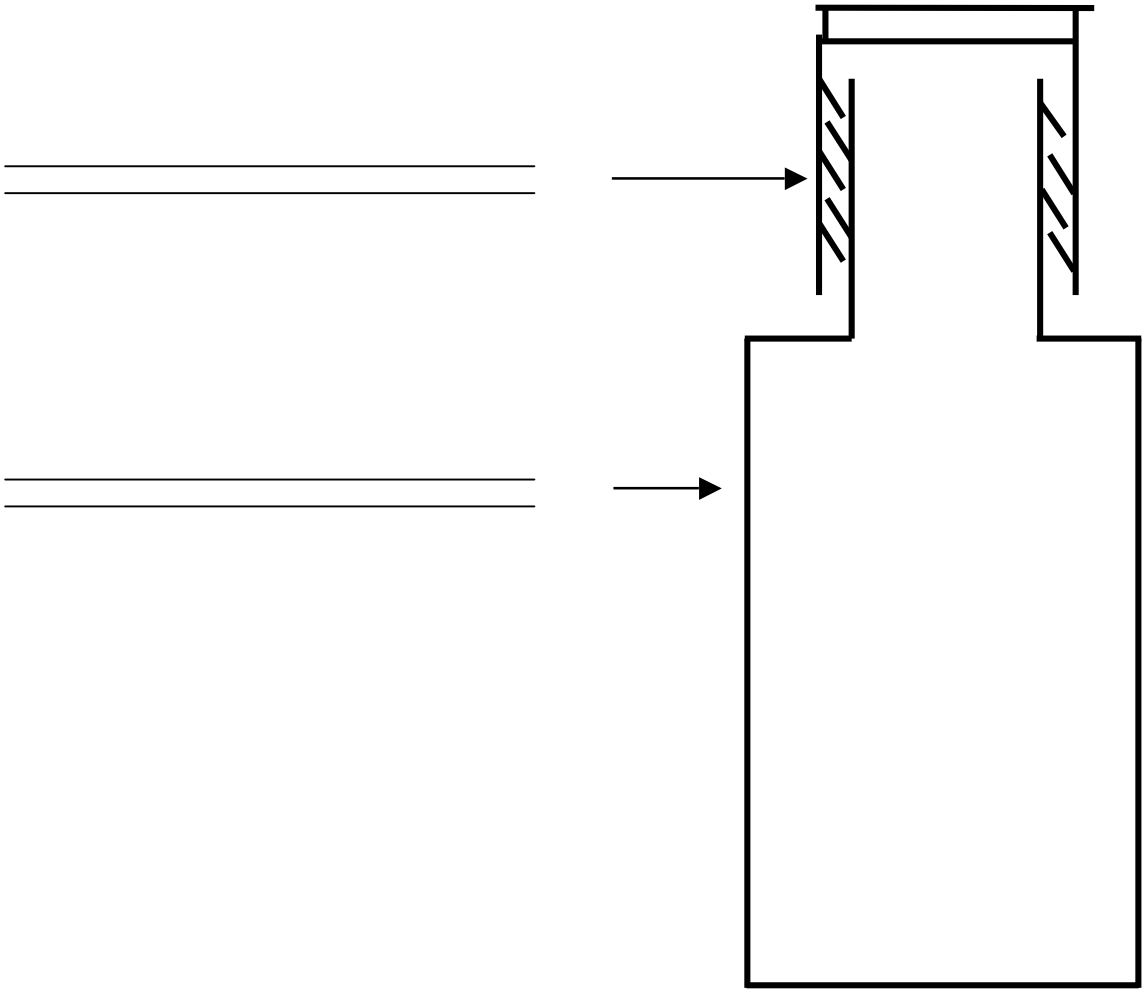
Is your hypothesis confirmed? Yes ☐ No ☐

Activity 4

Complete the drawing of the bottle:

1. For each of the lines, **<u>add the name</u>** of the various parts;

2. Then, **<u>colour each of the parts</u>** different colours.



Activity 5

Here is what I learned.

Make a rough draft of your poster or of your labels.