

## Intensive English as a Second Language

Primary, End of Third Cycle  
(Grade 6)



PHOTO - <http://www.cnn.com/WORLD/9607/22/canada.flood/>

## HOW CAN WE DEAL WITH NATURE'S FURY?

Student  
Booklet

**2011**








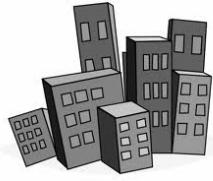



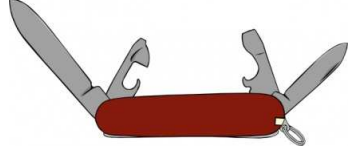




## Task 1: (C1) *Disaster, Disaster, Disaster Trivia*






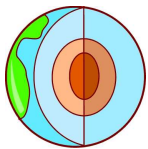








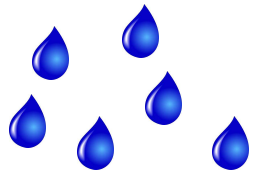


### Instructions

- Discuss each question or sentence with your team.
- Give your opinion about the answer and explain.
- React to what others say.
- Ask questions. Give examples.
- With your team, decide on one answer. Circle it.
- Time: 30 minutes

<p>1. Which of the following is not an example of a <b>natural disaster</b>?</p> <p>a. the earthquake in Haiti b. the ice storm in Montreal c. the mine explosion in Chile d. the floods in Australia</p>	<p>6. Four Grade 6 students are on a camping trip when a lightning storm <b>bursts out</b>. Bob runs in the lake. Carla <b>takes cover</b> under a table. John hides in the car. Roberta <b>lays flat</b> or crouches on the <b>ground</b>.</p> <p>Who is safest?</p> <p>a. Bob                                      b. Carla c. John                                      d. Roberta</p>
<p>2. The most important item to have in an emergency preparedness kit is :</p> <p>a. food and water b. warm <b>clothing</b> c. a <b>first aid kit</b> d. an electric <b>can opener</b></p>	<p>7. During 2010 hailstorms in Alberta, residents found <b>hailstones</b> the size of:</p> <p>a. golf balls                              b. peas c. baseballs                              d. grapefruit</p>
<p>3. How many <b>deaths</b> were recorded in Canada's <b>worst</b> natural disaster?</p> <p>a. 1500 b. 4000 c. 22 000 d. 1000</p>	<p>8. Taking cover under a table is an appropriate <b>behaviour</b> in case of:</p> <p>a. a flood                                      b. an earthquake c. a tornado                                      d. a forest fire</p>
<p>4. Each year, there are approximately _____ earthquakes around the <b>world</b>.</p> <p>a. 20 000                                      b. 1 million c. 500                                      d. 5000</p>	<p>9. Which natural disasters are caused by movements in the earth's <b>crust</b>? (There are several.)</p> <p>a. hurricanes                                      b. earthquakes c. tsunamis                                      d. blizzards e. floods                                      f. volcanic eruptions g. ice storms                                      h. tornadoes</p>
<p>5. What height can a tsunami <b>wave</b> reach? As tall as a _____</p> <p>a. person                                      b. <b>skyscraper</b> c. school                                      d. 15 storey hotel</p>	<p>10. Suzie wants to study volcanoes. Where is the best place for her to move to?</p> <p>a. Hawaii                                      b. France c. Alaska                                      d. Egypt</p>

## Disaster Dictionary

<p><b>Bacteria:</b> tiny organisms, or living things, that can cause disease</p> 	<p><b>First aid kit:</b> a collection of supplies and equipment to use in giving first aid</p> 	<p><b>Sea:</b> ocean</p> 
<p><b>Battery:</b> cells that furnish electric current</p> 	<p><b>Flare:</b> a luminous device often used for signalling</p> 	<p><b>Skyscraper:</b> very tall building</p> 
<p><b>Behaviour:</b> actions or reactions of a person or animal</p>	<p><b>Funnel:</b> whirling wind in the shape of a cone</p> 	<p><b>Storm:</b> atmospheric disturbance</p>
<p><b>To burst out:</b> appear suddenly</p> 	<p><b>Ground:</b> Earth's surface</p> 	<p><b>Swiss army knife:</b> multi-tool knife good for camping</p> 
<p><b>Can opener:</b> a device for cutting cans open</p> 	<p><b>Hailstones:</b> balls or irregular lumps of ice</p> 	<p><b>To take cover:</b> to hide</p> 
<p><b>Carelessness:</b> to take insufficient care or attention; often implies negligence</p>	<p><b>Huge:</b> enormous, very large</p>	<p><b>Thunder:</b> loud noise after lightning appears</p> 

<b>Clay:</b> a fine-grained, firm earthy material that is soft when wet and hardens when heated	<b>To lay flat:</b> to lay down on the ground 	<b>Typhoon:</b> hurricane 
<b>Clothing:</b> things that people wear on their bodies 	<b>Lava:</b> molten <u>rock</u> expelled by a <u>volcano</u> 	<b>Wave:</b> a ridge or swell moving through or along the surface of a large body of water 
<b>Crust:</b> the exterior portion of the Earth 	<b>Lightning bolt:</b> electrical discharge within clouds or between clouds and the ground 	<b>Whirlwinds:</b> a rapidly rotating, generally vertical column of air, such as a tornado 
<b>Cyclone:</b> a violent rotating windstorm. 	<b>Natural disaster:</b> the effect of a <u>natural hazard</u> (e.g., flood, tornado, hurricane, volcanic eruption, earthquake, or landslide). 	<b>Whistle:</b> small wind instrument for making whistling sounds 
<b>Deaths:</b> the termination or extinction of something 	<b>Overflow:</b> a situation observed on rivers when it rains too much 	<b>World:</b> the Earth 
<b>Droplets:</b> a tiny drop 	<b>Sanitizer:</b> disinfectant 	<b>Worst:</b> bad 

## Rubrics (C1)

Competency 1 Rubric To interact orally in English						
Evaluation Criteria	My teacher observes whether . . .	A	B	C	D	E
Participation in exchanges	I discuss the sentences, riddles, questions and answers with my teammates.  For example: - I express my opinions - I react to others' opinions - I ask questions - I give examples	I participate very often.	I participate regularly.	I participate sometimes.	I participate only when someone helps me.	I do not participate.  OR  I do not use common classroom language or new vocabulary.
Use of functional language	I use common classroom language (e.g. What do you think? I disagree) and new vocabulary during my discussions with my teammates.	I use a wide range of classroom language and new vocabulary correctly.	I use classroom language and new vocabulary correctly or mostly correctly.	I sometimes use classroom language and new vocabulary correctly.	I use classroom language and new vocabulary correctly only when someone helps me.	

## Self-Monitoring Grids

<div>Circle one.</div> <div>How am I doing?</div>	<b>Task 1: (C1) Disaster, Disaster, Disaster Trivia</b>				
	I participate very often.	I participate regularly.	I participate sometimes.	I participate only when someone helps me.	I do not participate.
	<b>Task 4: (C1) Disaster Riddles</b>				
	I participate very often.	I participate regularly.	I participate sometimes.	I participate only when someone helps me.	I do not participate.
	<b>Task 5: (C1) Get Prepared! "What would you bring in your backpack?"</b>				
	I participate very often.	I participate regularly.	I participate sometimes.	I participate only when someone helps me.	I do not participate.



## Task 2: The Nature True or False Quiz

### Lightning Storms

Lightning storms are characterized by a lightning bolt followed by a flash of light and a roll of thunder.

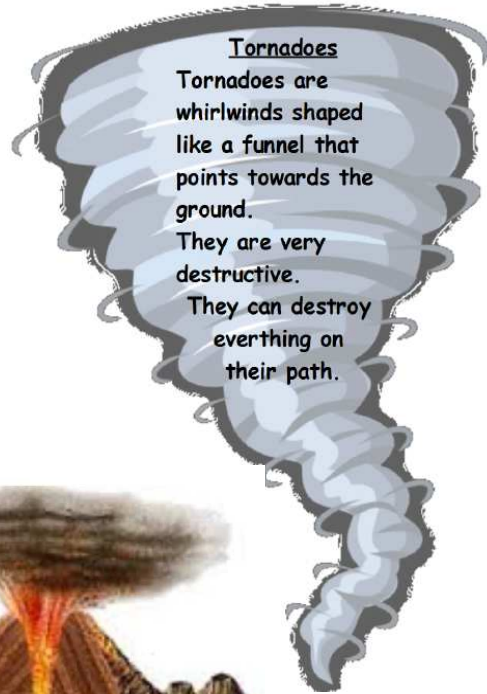


### Tornadoes

Tornadoes are whirlwinds shaped like a funnel that points towards the ground.

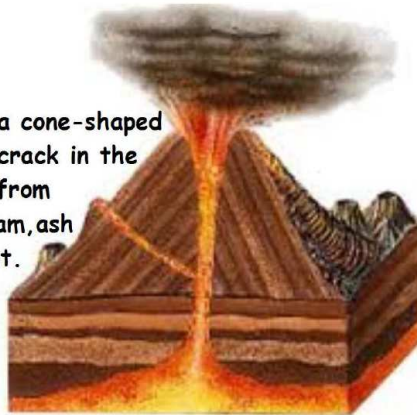
They are very destructive.

They can destroy everything on their path.



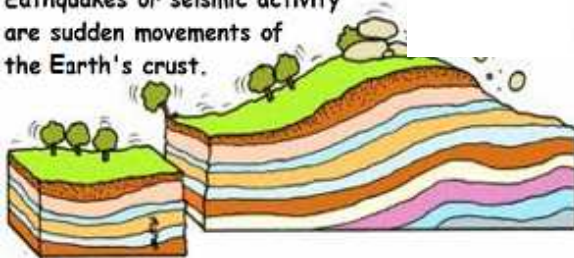
### Volcanoes

Volcanoes are a cone-shaped mountain or a crack in the Earth's crust from which lava, steam, ash and gases erupt.



### Earthquakes

Earthquakes or seismic activity are sudden movements of the Earth's crust.



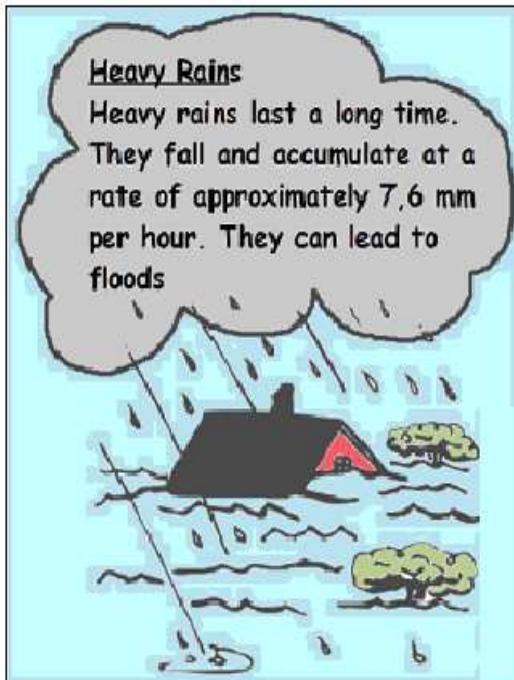
### Forest Fires

Every year there are approximately 9,000 forest fires in Canada. Most of these fires are caused by the carelessness of humans. Some are caused by lightning.



### Heavy Rains

Heavy rains last a long time. They fall and accumulate at a rate of approximately 7,6 mm per hour. They can lead to floods.



### Floods

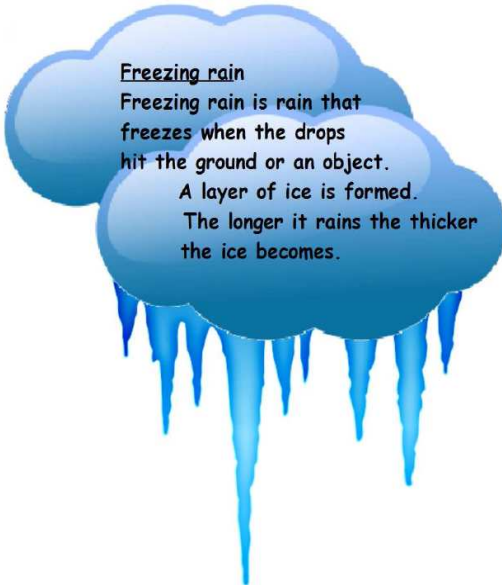
Floods are a natural disaster causing the most property damage in Canada. Floods occur when rivers and lakes overflow due to excessive rise of the water level.

### Freezing rain

Freezing rain is rain that freezes when the drops hit the ground or an object.

A layer of ice is formed.

The longer it rains the thicker the ice becomes.



### Hail

Hail is a type of precipitation in the form of ice that occurs during summer storms and can hit the the ground at 130 km/hour.



### Hurricanes

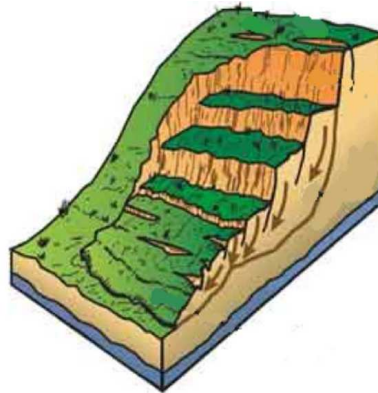
Hurricanes are enormous tropical storms. They can cause considerable damage. They are also called "tropical cyclones" or "typhoons".



### Landslides

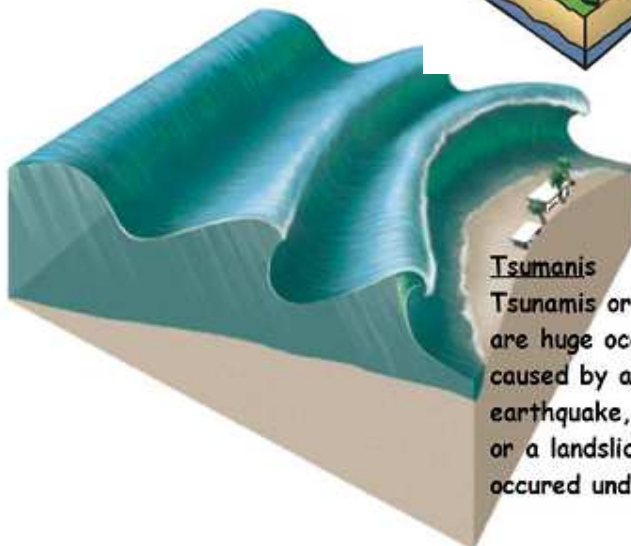
Landslides are movements of clay type soil saturated with water.

The ground movements occur rapidly and leave people very little time to react.



### Tsumanis

Tsunamis or tidal waves are huge ocean waves caused by an earthquake, a volcano or a landslide that has occurred under the sea.





# Safety Tips for Natural Disasters

Disasters strike all over the world.  
Some disasters can even occur in Canada.

Here are some tips to help you prepare in case of an emergency.

## **1. Determine what you face and make a plan.**

**Think of the natural hazards you might face where you live.** Also, consider other hazards that may not be "natural". These hazards can be events like toxic spills, plane crashes or train derailments.

## **2. Stay aware.**

Keep an eye on the news especially if you are dealing with an earthquake, a hurricane, a tornado, a winter storm, an ice storm, or a heat wave.

## **3. Prepare a survival kit.**

Think of all the supplies that you could need in the case of a natural disaster. Prepare two backpacks; one for the family car and one for your house.

Consider supplies in the categories of clothing, food, shelter, and safety.

Be prepared to dress in layers so you can add or remove clothing depending on the weather.

Pack non-perishable food items that are easy to eat such as protein or energy bars, meat jerky, and canned snack-sized fruit. Be sure to pack enough water.

Pack a sleeping bag with plastic ground cloths and tent for shelter, and pack some money for *both* kits.

Pack flashlights and a hand-crank radio for safety. Buy some glow sticks that can be used for temporary lighting and matches in a sealed container.

You can also consider other items such as duct tape and plastic sheeting material for windows if one breaks.

Place the kit in a place where you can grab it in case you need to leave in a hurry.





















Don't forget your pets, and be sure to have enough food and water for them. You can prepare kits for your pets too! Be sure to include, a package of food, water, and anything else your pet would need in a safe, accessible place. Keep them all in a suitable pet-carrier so that you can grab it on your way out.



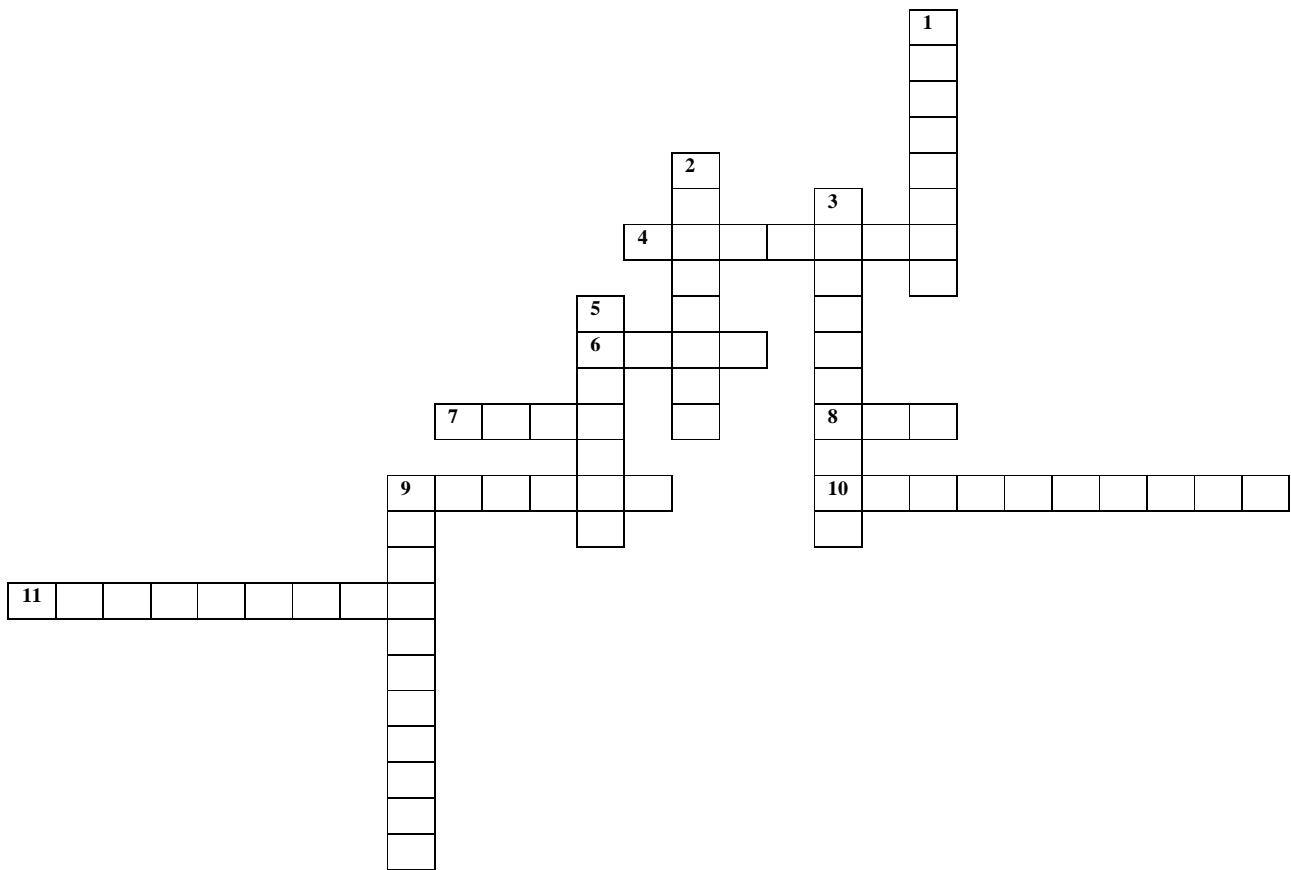
Prepared from information under a creative commons license found at (<http://www.wikihow.com/Be-Prepared-for-Natural-Disasters>)

## **Task 2: The Nature True or False Quiz (C2)**

Read the following statements. Decide if they are true or false. Circle the right planet.

STATEMENTS	TRUE	FALSE
1. Hail is a type of precipitation that occurs during the summer.		
2. Lightning bolts occur during earthquakes.		
3. Tsunamis can be caused by earthquakes under the ocean.		
4. During a tornado the ground shakes with sudden movements.		
5. People have a lot of time to react during a landslide.		
6. Ash, steam, lava and gases come out of a volcano when it erupts.		
7. Another name for “hurricane” is a tropical cyclone.		
8. Thick ice forms on objects during freezing rain storms.		
9. Floods do not cause much damage to property in Canada.		
10. Most forest fires in Canada are caused by humans.		

***On your own ... Do you Remember?***



**Across**

- 4. spinning whirlwind
- 6. ice pellets that occur during summer storms
- 7. accumulates and sometimes causes floods
- 8. accumulates during freezing rain
- 9. high winds turning round and round
- 10. violent tremors of the Earth's crust
- 11. cyclone, typhoon

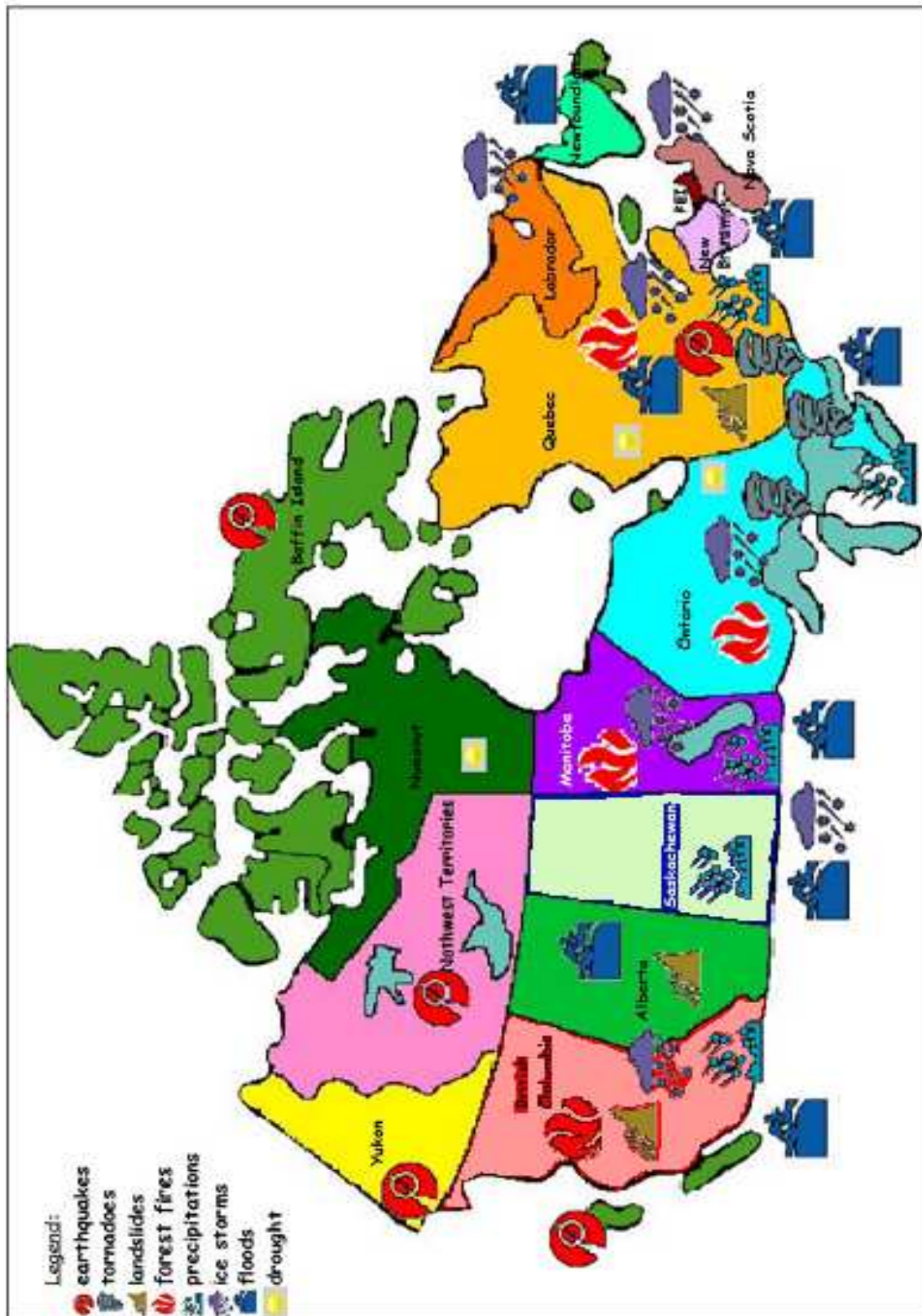
**Down**

- 1. explosion of ash, lava and steam
- 2. caused by heavy rain accumulation
- 3. clay-like soil that collapses suddenly
- 5. occurs during lightning storms
- 9. most of the time caused by people

### Task 3: Natural disasters in Canada

(C2)

Look at the map of Canada. Read the legend and identify the natural disasters that are represented by the symbols on the map. Answer the questions on page 13.



1. In which Canadian provinces do people experience earthquakes?

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2. How many provinces are endangered by forest fires?

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3. Which provinces could receive heavy precipitations?

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4. In which provinces could tornadoes occur?

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5. In which provinces could there be ice storms?

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6. Which provinces are in danger of flooding?

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7. In which Canadian provinces do people experience long periods of drought (very dry weather)?

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8. Name a province in which there could be a landslide.

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9. In which province are natural disasters less likely to happen?

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10. Which Canadian provinces are the safest?

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## Task 4: Disaster Riddles

(C1)

### Instructions

- With your teammates, discuss the possible answers to each riddle below.
- Use the *Disaster*, *Disaster*, *Disaster Trivia* and the *Disaster Dictionary* to help you find the answers.

Time: 25 minutes

1. I am a serious situation that happens unexpectedly.

I demand an urgent action.

You can call 9-1-1 when you are into that situation.

What am I?

\_\_\_\_\_

2. I'm one of nature's most violent storms.

I'm a rotating column of air.

I descend from the clouds to the ground.

I am accompanied by very strong winds.

I can cause tremendous damage or destruction.

What am I?

\_\_\_\_\_

3. I am hot.

You can't see this phenomenon in Quebec.

Very spicy foods take my name.

I can be active or not.

What am I?

\_\_\_\_\_

4. I am caused by a volcano or an earthquake.

I am a gigantic wave.

Many people die, others run for higher ground.

What am I?

\_\_\_\_\_

5. I have a crust but you can't eat me.

I make the Earth dance.

On a very high level I can cause a second disaster.

What am I?

\_\_\_\_\_

### Our New Riddle

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Task 5: Get Prepared! “What would you bring in your Backpack?” (C1)**

Natural disasters can not always be foreseen or prevented. However, there are measures you can take to be prepared for a variety of emergency situations. You should always have an emergency kit ready for you and your family. Your kit should be placed in a small backpack that you can carry easily.

In this task you will prepare an emergency kit with the help of you team mates.

(Individually) Step 1: Read the list of items that could be part of an emergency kit.

Step 2: Select the items you think are important and that you would want to include in an emergency kit. Underline these items.

(In teams) Step 3: Each teammate presents the items that he/she has chosen and explains why they are important.

Step 4: The teammates discuss the importance of the selected items.  
They choose ten items to be placed in their emergency kit.

## Possible Emergency Supplies

a rope  
duct tape  
toilet paper  
tissue paper  
a pocket knife  
garbage bags  
canned food  
energy bar  
a comic book  
a Swiss Army knife  
an MP3 player or IPOD  
a lighter  
candles  
mosquito repellent  
a first aid kit  
hand sanitizer  
medication  
dry socks  
a GPS  
a list of emergency numbers  
a cushion  
money  
a credit card  
soda crackers

scissors  
a whistle  
paper towels  
a flashlight  
zip-lock plastic bags  
bottled water  
chocolate bar  
a bag of chips  
a can opener  
a pencil  
batteries  
matches  
sunscreen lotion  
a shovel  
a notepad  
pet food  
a camera  
an address book  
a cell phone  
a sleeping bag  
a blanket  
chewing gum  
flares

### My Team's Choice

[illegible]

## Task 6: The Storm of the Century is coming to Quebec! Let's be Prepared! (C3)

One Friday afternoon, you arrive in class after lunch and everything is calm and normal. Suddenly, the weather gets very strange and scary. Big grey clouds cover the sky and it starts to rain. Eventually, the rain changes to freezing rain and the wind blows really hard. The electrical power in the school goes off. The school generator starts up. The principal announces on the intercom: "Attention to all students! It is now official! Quebec is under an ice storm ALERT! We must prepare! We must stay safe!"

Instructions:

Read the text "Safety Tips for Natural Disasters" on page 9 and using the information from the text and what was discussed in Task 5, write a text explaining (or describing):

- 1-How this situation makes you feel and the role you could play in your school during the emergency alert.
- 2-How you could return home under these extreme, dangerous weather conditions.
- 3-Once you are at home, the steps you could take with your family to better live safely through the ice storm.
- 4- Write an introduction and a conclusion.
- 5- Add a title.

**Plan your text. Write down your ideas.**

Introduction

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I feel...

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I can...

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---

On my way home...

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---

I help my family...

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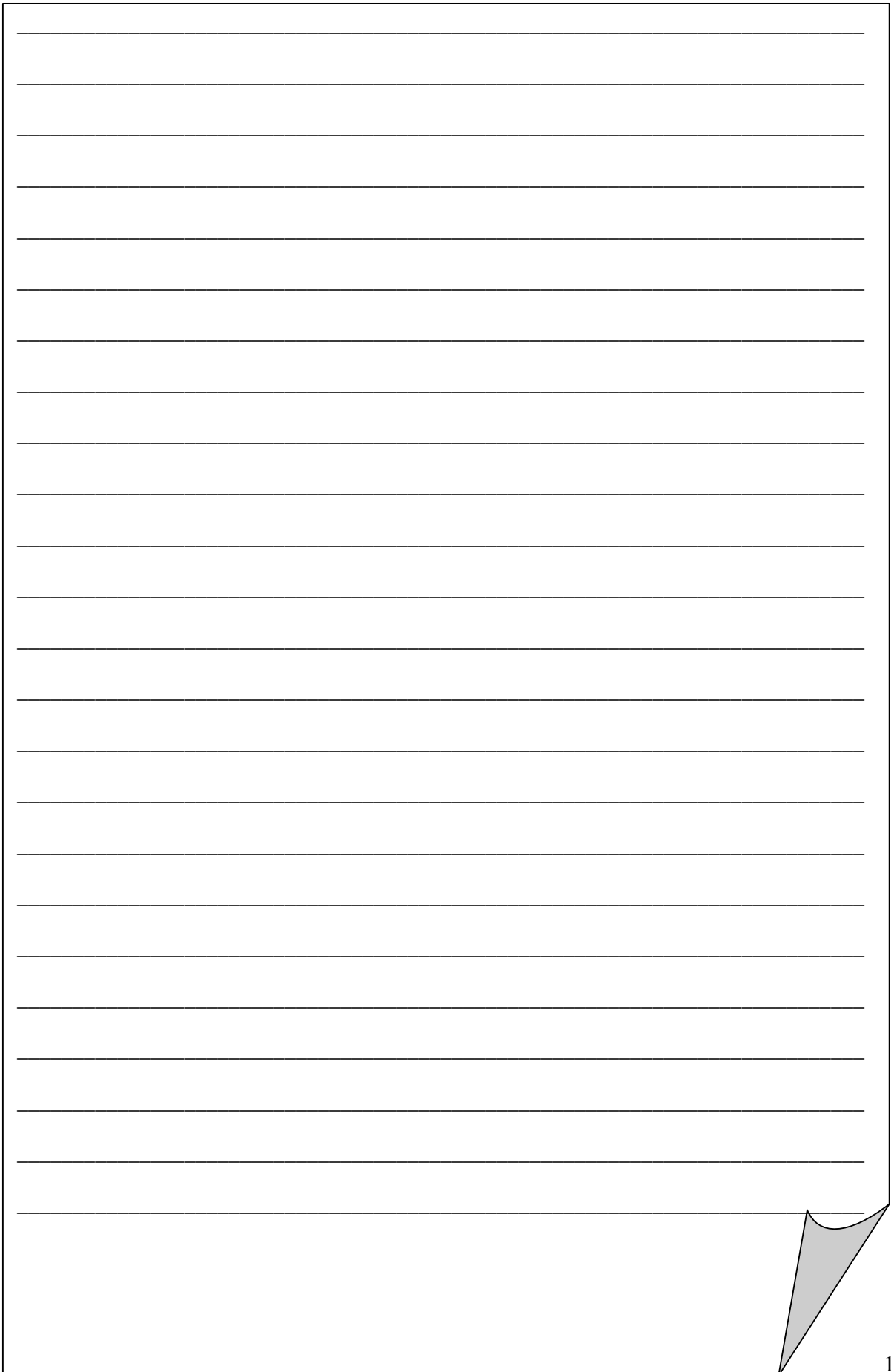
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Conclusion

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**Write a Draft copy.**

A large rectangular box with a black border, containing 25 horizontal lines for writing. The lines are evenly spaced and extend across the width of the box. The box is intended for a draft copy of the text.

Revise your text. Use the checklist. Check the box next to the statement. 

I wrote about how this situation made me feel.	<input type="checkbox"/>	I checked my text for spelling mistakes.	<input type="checkbox"/>
I wrote about the role I could play in my school during the emergency alert.	<input type="checkbox"/>	My text has an introduction.	<input type="checkbox"/>
I wrote about how I could return home under these extreme, dangerous weather conditions.	<input type="checkbox"/>	My text has a conclusion.	<input type="checkbox"/>
I wrote about the steps I could take with my family to better live safely through the ice storm.	<input type="checkbox"/>	My text has a title.	<input type="checkbox"/>

Competency 3 Rubric To write texts						
Evaluation Criteria	My teacher observes whether . . .	A	B	C	D	E
Compliance with instructions	I follow the instructions to write a text.	I follow <b>all</b> instructions.	I follow four instructions.	I follow <b>three</b> instructions.	I follow <b>one or two</b> instructions.	I do not <b>follow</b> any of the instructions.
Language conventions targeted for task	The words in my text are spelled correctly	There are <b>no</b> spelling errors.	There are <b>few spelling</b> errors.	There are <b>several</b> spelling errors.	<b>Most or all</b> words are misspelled.	OR My message is <b>copied word for word</b> from one of the texts I read.
Characteristics of final product	My text has a clear and convincing message about how to prepare for and stay safe during a storm.	My text has a <b>very clear and convincing</b> message.	My text has a <b>clear and convincing</b> message.	The reader <b>needs to guess</b> what my text's message is about.	My text's message is <b>unclear and difficult to understand</b> .	OR My message is <b>off topic</b> .



**Write a Final copy.**

A large rectangular box with horizontal lines for writing. The box is outlined in black and contains 25 horizontal lines. At the bottom right corner of the box, there is a small gray triangle pointing upwards and to the left, resembling a folded corner of paper.

Images from Google images

## On Your Own

Use your Student Booklet to find the answers.  
What is the secret word down the middle?

V	___	L	___	___	___	O	___	S
				H	___	I	L	
		E	___	R	___	H	___	U A ___ E S
				H	___	R	___	I ___ N E S
			T	___	___	N A D	___	S
				R	___	I N		
L	A	___	D	S	___	I	___	E S
					___	L	___	D S
				T S	___	___	A M	___ S
		S	___	O	___	M S		
H	___	___	V	___	___	R	___	I N S

The secret word is: \_\_\_\_\_

How can we prepare for Nature's Fury? (Draw a picture of what you could do.)