



Natural Disasters

Who is this?



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- Today you will be a forgetful (забудькуватий) international news reporter.
- First you have to study natural disaster, so you can report on disasters.



Warm up

- What do you know about natural disasters?
- Do natural disasters occur in Ukraine?
- If so, what are the disasters?



Vocabulary

- Force of nature/
weather
- сила природи/
погода
- To suffer
- страждати
- Shortage
- нестача
- Slide
- ковзати
- Erosion
- Ерозія
- ?
- ?



Which natural disasters do you already know?

- Avalanche
- Landslide
- Drought
- Famine
- Tsunami
- Flood
- Hailstorm
- Blizzard
- Earthquake
- What else?



vocabulary

- Force of nature/weather
- сила природи/погода
- To suffer
- страждати



Make a list of examples

- Can you give an example of a **force of nature**?
- Example: wind, snow
- Can you give an example of **suffering**?
- Example: hunger, sleepy
- Make a list.



List

Natural forces

- Wind
- Sunshine
- Rain
- Hail
- Lightning
- Waves
- And more

Suffering

- Tired
- Hungry
- Death
- Loss of home
- Loss of possessions
- Cold
- Sunburns



Natural Disasters

Natural disasters occur when **forces of nature** damage the environment and manmade structures. Natural disasters can cause a great deal of human **suffering**. The result: people may be injured or killed, or may lose their homes and possessions.



Questions about the text

- Did the text help you understand **forces of nature** and **suffering** better?
- Can you give more examples of **forces of nature** and **suffering**?
- What else besides humans can **suffer**?



Vocabulary

- Slide
- ковзати
- Erosion
- ерозія



For each natural disaster fill out the chart like this

Natural disaster	Tsunami	Blizzard	Hailstorm	Famine
Force of nature	Big waves, earthquake	Wind, frost, snow	?	?
Suffering	Loss of property and homes, wet hair	Cold, frostbite, may be hunger, scary	?	?
Description	A large wave that crashes onto land	A storm of snow	?	?

Avalanches

An avalanche is any swift movement of snow, ice, mud, or rock **sliding** down a mountainside or slope. Avalanches are natural forms of **erosion** and often seasonal.



Avalanches

They can reach speeds of more than 200 miles per hour.

They are triggered by such events as **earthquake** tremors, or human-made disturbances.



Fill out your chart

Natural disaster	Avalanche
Forces of nature	?
Suffering	?
Description	?



- What **force of nature** can cause an avalanche?
- What kind of **suffering** can an avalanche cause?



Landslide

A landslide is a gradual, down **sliding** movement of a mass of rock and earth (debris). The mixture of debris from a landslide with water may produce harmful lahars (mudflows).



Fill out your chart

Natural disaster	Landslide
Forces of nature	?
Suffering	?
Description	?



Discuss

обговорювати

- Compare landslides and avalanches (use **slide**, **erosion**).
- How are landslides and avalanches different?
- What **forces of nature** might cause a landslide?
- What **suffering** might a landslide cause?



Vocabulary

- Shortage
- нестача



Droughts



Droughts are unusually long periods of a rainfall **shortage**.

Livestock and wildlife, as well as humans, die of thirst and famine; large land areas often suffer damage from dust storms or fire.



Fill out your chart

Natural disaster	Drought
Forces of nature	?
Suffering	?
Description	?



Instructions

- Make your own questions about droughts?
- 1) Think by yourself.
- 2) Share your question and possible answer with a partner.
- 3) Share your question with the class?
- 4) Who can answer the question?



Famines



Famines are extreme **shortages** of food that cause people to die of starvation.



Fill out your chart

Natural disaster	Famine
Forces of nature	?
Suffering	?
Description	?



Think, pair, share

- 1) **In your own words (своїми словами)** write a description of a famine.
- 2) Share your description with a partner.
- 3) Share your description with the class.



Think

- Do you know what a **disturbance** and a **wave** is?
- If not, think of what **disturbance** and **wave** is.



Tsunamis



A **tsunami** is a series of huge **waves** that happen after an undersea **disturbance**, such as an earthquake or volcano eruption.

Tsunami is from the Japanese word for “harbor **wave**.”



Tsunamis

The **waves** may travel in all directions from the area of **disturbance** as fast as 450 miles per hour. As the big **waves** approach **shallow/mілннa** waters along the coast they grow to a great height and smash into the shore. They can be as high as 100 feet.



Fill out your chart

Natural disaster	Tsunami
Forces of nature	?
Suffering	?
Description	?



Think

- A **disturbance** is
- A **wave** is
- Describe a **disturbance** and **wave** using English in **your own words (своїми словами)**
- Is a **natural disaster** a **disturbance**?



Summary

- Force of nature/
weather
- сила природи/
погода
- To suffer
- страждати
- Shortage
- нестача
- Slide
- ковзати
- Erosion
- ерозія
- Shallow
- мілина
- Wave
- хвиля води



Application

- The situation: you are a forgetful (забудькуватий) news reporter.
- On your own describe a secret(секрет) **natural disaster**.
- Discuss your description with a partner
- As a news reporter describe your secret natural disaster. Do not say what kind of disaster it is.



List of natural disasters

- Avalanche
- Landslide
- Drought
- Famine
- Tsunami
- Flood
- Hailstorm
- Blizzard
- Earthquake



Floods



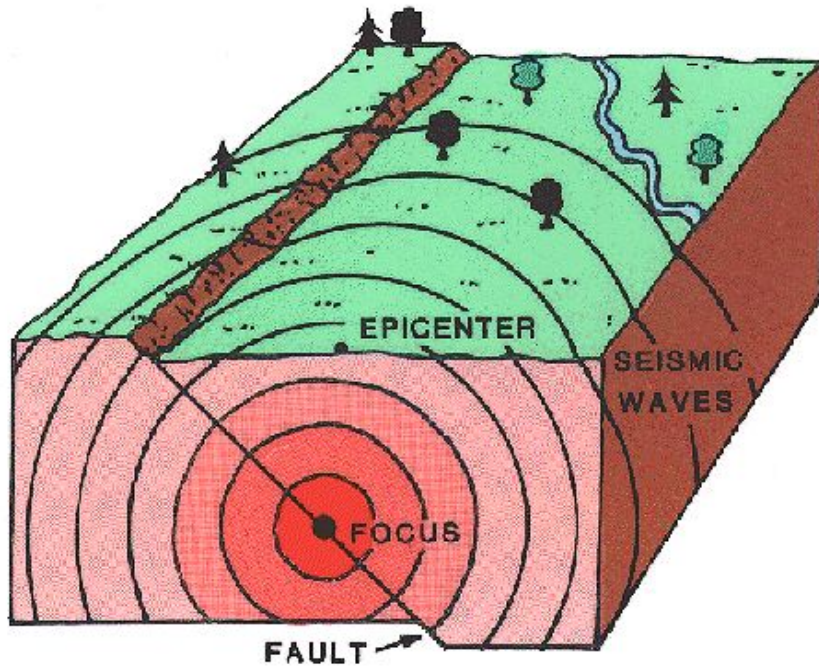
Hailstorms



Blizzards



Earthquakes



Example

- I'm here at the beach. There are large **waves** once the water gets **shallow**. Humans are **suffering**, because people are loosing their homes. Ooops. I forgot what type of **natural disaster** this is.
- Class guesses.



Get your microphone and umbrella!



Are you ready?



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- Report the news, but don't forget to be forgetful.
- The class will help you remember the **natural disaster**.

Homework

- In your own words (**do not copy**) write about (number) other natural disasters
- Earthquake
- Flood
- Blizzard
- Hailstorms
- And others



Hailstorms



A hailstorm is rain drops in the form of balls or lumps of clear ice and compact snow. It is not known for sure how hailstones form and grow. Hail causes much damage and injury to crops, livestock, property, and airplanes.

Fill out your chart

Natural disaster	Hailstorm
Forces of nature	?
Suffering	?
Description	?



Blizzards

A **blizzard** is a winter storm characterized by high winds, low temperatures, and driving snow.



JEFFREY PHELPS/EPA/LANDOU



Fill out your chart

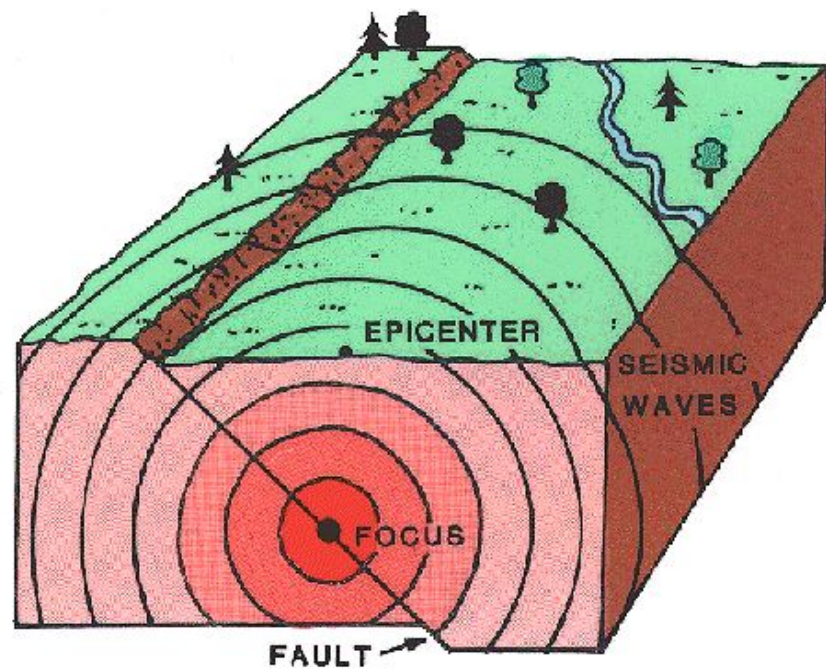
Natural disaster	Blizzard
Forces of nature	?
Suffering	?
Description	?



Earthquakes

An earthquake is a trembling movement of the earth's crust.

These tremors are generally caused by shifts of the plates that make up the earth's surface. The movements cause vibrations to pass through and around the earth in wave form.



Earthquakes



Volcanic eruptions, rock falls, landslides, and explosions can also cause a quake. The greatest danger of an earthquake comes from falling buildings and structures and flying glass, stones and other objects.



Fill out your chart

Natural disaster	Earthquake
Forces of nature	?
Suffering	?
Description	?



Floods

A flood occurs when a body of water rises and overflows onto normally dry land. Floods occur most commonly when water from heavy rainfall, from melting ice and snow exceeds the carrying capacity of the river system, lake, or ocean into which it runs.



Fill out your chart

Natural disaster	Floods
Forces of nature	?
Suffering	?
Description	?



Natural disasters can wipe out a country in one glance.
The victims of the destruction simply have no chance.
Parents, who can't find their sons and daughters,
Find out they are dead or washed away by waters...
Let them see sunshine again,
God, take away the storms
and pain....

