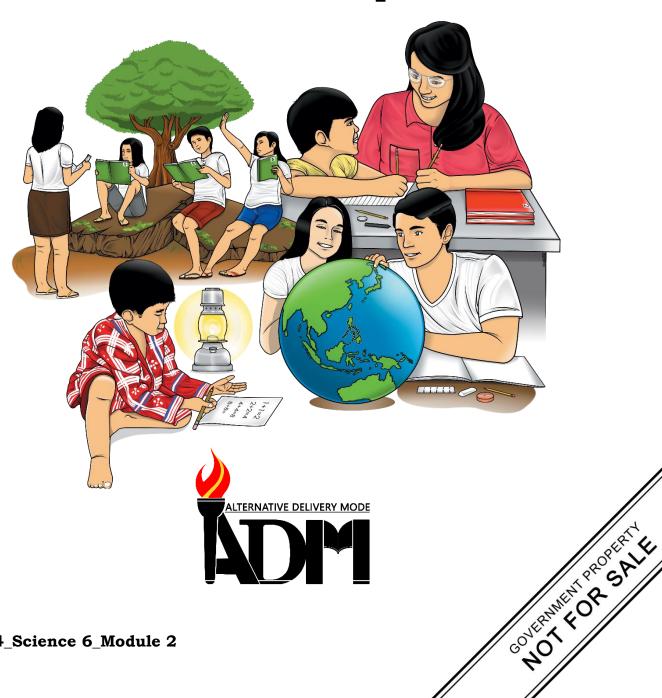




# Science

Quarter 4 – Module 2: What To Do Before, During, and After the Earthquakes and Volcanic Eruptions



Science – Grade 6 Alternative Delivery Mode

Quarter 4 – Module 2: What to Do Before, During, and After an Earthquake and Volcanic

**Eruptions** 

First Edition, 2020

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# Science

Quarter 4 – Module 2: What To Do Before, During, and After the Earthquakes and Volcanic Eruptions



### **Introductory Message**

This Self-Learning Module (SLM) is prepared so that you, our dear learners, can continue your studies and learn while at home. Activities, questions, directions, exercises, and discussions are carefully stated for you to understand each lesson.

Each SLM is composed of different parts. Each part shall guide you step-by-step as you discover and understand the lesson prepared for you.

Pre-tests are provided to measure your prior knowledge on lessons in each SLM. This will tell you if you need to proceed on completing this module or if you need to ask your facilitator or your teacher's assistance for better understanding of the lesson. At the end of each module, you need to answer the post-test to self-check your learning. Answer keys are provided for each activity and test. We trust that you will be honest in using these.

In addition to the material in the main text, Notes to the Teacher are also provided to our facilitators and parents for strategies and reminders on how they can best help you on your home-based learning.

Please use this module with care. Do not put unnecessary marks on any part of this SLM. Use a separate sheet of paper in answering the exercises and tests. And read the instructions carefully before performing each task.

If you have any questions in using this SLM or any difficulty in answering the tasks in this module, do not hesitate to consult your teacher or facilitator.

Thank you.



This module was designed and written with you in mind. It is here to help you enumerate what to do before, during, and after an earthquake and volcanic eruptions (S6Es-IVb-2). The scope of this module allows you to use it in many different learning situations. The language used recognizes the diverse vocabulary level of students. The lessons are arranged to follow the standard sequence of the course. But the order in which you read them can be changed to correspond with the textbook you are now using.

This module is divided into the following:

- **Lesson 1** What to do before, during, and after an Earthquake
- **Lesson 2** What to do before, during, and after Volcanic Eruptions

After going through this module, you are expected to:

- 1. enumerate what to do before, during, and after earthquakes and volcanic eruptions; and
- 2. show appreciation about the importance of safety precautions to observe before, during, and after earthquakes and volcanic eruptions.



Read and answer the following questions carefully. Write your chosen letter on the answer sheet.

- 1. Which of the following should **NOT** be done during an earthquake when you are inside a building?
  - A. Rush to the door and get inside an elevator.
  - B. Be aware of the possibility of open electrical lines.
  - C. Seek shelter in a doorway or take cover under a heavy table or desk.
  - D. Open the window and leave the building immediately when you smell gas.
- 2. Which precautionary measures should be done before an earthquake?
  - A. Prepare an emergency survival kit.
  - B. Cover your nose with a damp cloth.
  - C. Do not cross bridges if you are driving.
  - D. Check yourself and every family for injury.
- 3. How should you behave during an earthquake?
  - A. Keep calm.
  - B. Rush to an overcrowded exit.
  - C. Practice an earthquake drill.
  - D. Fasten all heavy appliances.
- 4. Which safety precautions should be done before an earthquake?
  - A. Participate in earthquake drills.
  - B. Turn on the radio for the latest updates.
  - C. Stay away from broken electrical wires.
  - D. Check yourself and members of the family for injuries.
- 5. Which of the following sentences in the box are precautionary measures to be taken BEFORE an earthquake?
  - I. Familiarize yourself with your place of work and residence.
  - II. Stay away from glass windows, shelves, cabinets and other heavy objects.
  - III. Know the earthquake hazards in your area.
  - IV. If you need to evacuate, leave a message stating where you are going and bring emergency supply kit.

A. I and II B. II and III C. I and III

D. I and I

- 6. Which is the best thing to do before a volcanic eruption occurs?
  - A. Avoid contact with the ash.
  - B. Wear goggles to protect your eyes.
  - C. Keep important documents in a safe place.
  - D. Cover your nose with a wet and clean cloth.
- 7. Which one is NOT a safety precaution during volcanic eruptions?
  - A. Get on your roof to remove ash.
  - B. Avoid crossing bridges and rivers.
  - C. Follow evacuation orders from authorities.
  - D. Protect yourself from falling ash, if outside.
- 8. What will you do after a volcanic eruption?
  - A. Prepare a first aid kit.
  - B. Stay from volcanic ash fall areas.
  - C. Store enough food and drinking water.
  - D. Make the necessary repairs and clean your roof.
- 9. Which of the following is not a safety precaution during a volcanic eruption?
  - A. Avoid low lying areas.
  - B. Stay outside of your home.
  - C. Cover your head for protection.
  - D. Wear long-sleeved shirts and long pants.
- 10. Which precautionary measures listed in the box below should be done after a volcanic eruption?
  - I. Close all windows and doors.
  - II. Do not drive in heavy ash fall.
  - III. Keep important documents in a safe place.
  - IV. Clean everything and check if there's damage.
  - A. I only
  - B. II only
  - C. III only
  - D. I and IV

### Lesson

1

# What to do, Before, During, and an Earthquake

Earthquakes do not happen by chance. They often occur unexpectedly. In the Visayas, one of the strongest earthquakes in 2013 happened in Bohol, with a magnitude of 7.2. The latest report about earthquakes happened in Mindanao in Cotabato last October 29, 2019, which resulted in 24 dead, 11 missing, and 563 injured individuals. The earthquake was due to the movement of the plates of the earth.

Earthquakes can be hazardous, especially if we are not prepared because they can happen anytime and anywhere. It may cause losses of lives, properties, livelihoods, and may even affect our health status. Knowing the precautionary steps to take during earthquakes and other calamities can greatly reduce the danger and worries in the family. It can also protect yourself and your loved ones.

Take note of the changes that occurred before and after an earthquake in the pictures below.

Before an Earthquake





After an Earthquake





Photo credit: Dante G. Arriola II Photo credit: Pixabay.com

4



**Direction:** Read the following statements below. Write **Yes** if the statement about earthquakes is true and **No** if not. Write your answers on a separate sheet of paper.

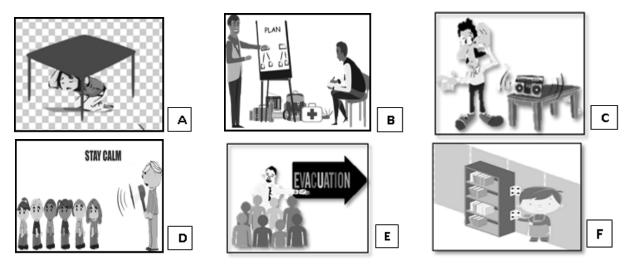
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- \_\_\_\_\_2. All earthquakes have the same origin.
- \_\_\_\_\_ 3. Plate tectonic movements cause earthquakes.
- \_\_\_\_\_ 4. Not all earthquakes that occur are felt by people.
- \_\_\_\_\_ 5. The movement of tectonic plates causes a volcanic earthquake.

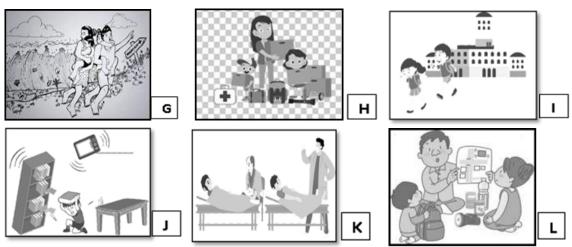


### **Activity 1: Know This Tips**

Choose the picture that shows what to do before, during, or after the earthquake. Write only the letter that corresponds to the picture below. Write your answers on another paper.



Arellano, Ryan Oliver S., Before, During and After Earthquake.



Arellano, Ryan Oliver S.; Añasca, Julius Before, During and After Earthquake.



Natural disasters are frightening, but an earthquake is unique because it gives no warning. Therefore, it is important to know what to do before, during, and after an earthquake happens.

Below is the summary of what to do before, during, and after an earthquake.



### Activity: Do's and Don'ts

Identify whether the activities described below should be done before, during and after an earthquake. Write **<u>DO</u>** or **<u>DON'T</u>** on a separate paper.

 1. Fix mirrors, paintings, and other hanging objects securely.
 2. Panic: Run, Push, Talk/Shout.
 3. Hang heavy pictures and other items over beds.
 4. Get out of the classroom in an orderly manner.
 5. Use any elevator.
 6. Bring your GO BAG with you.
 7. Go near buildings, tall trees, power-lines.
 8. Close curtains and blinds of window glass.
 9. Proceed to identified evacuation area.
 10. Run when the shaking starts.
 11. Stay put until the shaking stops.
 12. Locate beds and chairs away from windows.



# What I Have Learned

I learned that preparation and proper information on what to do before, during, and after earthquakes could greatly reduce the dangers it can bring to us. Being prepared can help protect ourselves and our loved ones. Complete the following statements. Write your answers on a separate sheet of paper.

Before the earthquake comes, I should		
During the earthquake, I should		
After the earthquake, I should		



### Activity: Assemble One... Emergency Kit

**Direction**: Below is a GO BAG. Only 20 items can be placed inside the bag. Choose the 20 most important items from the box to be placed in the GO BAG. Write your answers on another paper.



Illustrated by: Ramona I. Mangahas

### **Basic Emergency Kit Checklist:**

first aid kit whistle flashlight Drinking water gloves ready-to-eat food cash medicines sleeping bag duct tape candles clothes& footwear blankets radio rope/cord underwear toiletries emergency map hand laminated hotlines sanitizer dust masks spare batteries keys (car & house) swiss army knife garbage bags matches/lighter mobile phone & charger documents (ID, insurance and bank books)



**Multiple Choice**. Read and answer the following questions carefully. Write your chosen letter on your answer sheet.

- 1. Which of the following safety precautions is NOT an activity done before an earthquake?
  - A. practice an earthquake drill
  - B. turn on the radio for the latest updates
  - C. stay away from broken electrical wires.
  - D. check yourself and members of the family for injuries
- 2. Which of the following should NOT be done during an earthquake when you are inside a building?
  - A. Rush to the door and get inside an elevator.
  - B. Be aware of the possibility of an open electrical line.
  - C. Seek shelter in a doorway or take cover under a heavy table or desk.
  - D. Open the window and leave the building immediately when you smell gas.
- 3. Which of the following statements in the box below are the precautionary measures to take before an earthquake?
  - *I.* Familiarize yourself with your place of work and residence.
  - II. Stay away from glass windows, shelves, cabinets and other heavy objects.
  - III. Know the earthquake hazards in your area.
  - IV. If you need to evacuate, leave a message stating where you are going and bring emergency supply kit.
    - A. I and II
    - B. II and III
    - C. I and III
    - D. I and IV
- 4. How should you behave during an earthquake?
  - A. Keep calm.
  - B. Fasten all heavy appliances.
  - C. Rush to an overcrowded exit.
  - D. All of the above.

- 5. Which precautionary measures should be done before an earthquake?
  - A. Cover your nose with a wet cloth.
  - B. Prepare an emergency survival kit.
  - C. Do not cross bridges if you are driving.
  - D. Check yourself and members of the family for injury.
- 6. Which of these activities does not show a safety precaution before an earthquake?
  - A. Drop, cover, and hold.
  - B. Have an emergency plan.
  - C. Prepare an emergency survival kit.
  - D. Familiarize the danger in your area.
- 7. Which is a safety precaution after an earthquake?
  - A. Go to the beach.
  - B. Stay under a sturdy table.
  - C. Be careful from broken glasses and falling objects.
  - D. Familiarize yourself with your place of work and residence.
- 8. Which is **NOT** a safety precaution before an earthquake?
  - A. Have an emergency plan.
  - B. Check yourself and others for injuries.
  - C. Know the earthquake danger in your area.
  - D. Familiarize yourself with your place of work and residence.
- 9. Which of these activities must be done during an earthquake?
  - A. Get an elevator.
  - B. Stay away from glass and windows.
  - C. Take time to read about what you can do to prepare.
  - D. Make sure you have a fire extinguisher and survival kit.
- 10. Why is it important to know what to do before, during, and after earthquakes?
  - A. To protect our houses.
  - B. To prevent earthquakes from occurring.
  - C. To minimize damages on our appliances.
  - D. To reduce fear, anxiety, and losses of lives.



Activity: "Who You Gonna Call?"

**Direction:** In case of emergency, write the exact address and contact numbers of the following Hotlines in your area. Write your answers on a separate sheet of paper.

Name of Office	Address	Contact No.
1. Family Members		
<ul><li>Father</li></ul>		
• Mother		
Siblings		
2. Bureau of Fire		
3. Police Station		
4. Local Hospital		
5. City /		
Municipality		
Ambulance		
6. Philippine Red		
Cross		
7. Amity Volunteer		
Fire Brigade		
8. DRRM Office		

### Lesson

### What to do Before, During and After Volcanic Eruption

Philippines is located in an area known as "the Pacific Ring of Fire" or "Circum-Pacific Belt," as shown in Figure 1 below. This area is home to almost 75% of the world's active volcanoes, where tectonic plates and faults are also found. It is where volcanic eruptions are frequently experienced.

A **volcano** is a mountain or hill with a vent extending from the top down to the Earth's interior (as shown in the figures below). It expels magma by rumbling under the ground. A volcano can either be active or inactive. Active volcanoes are those that have erupted within 600 years while inactive are those that have not erupted more than 600 years.

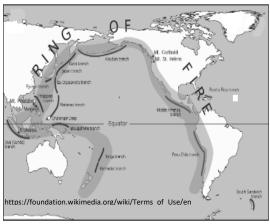


Figure 1. Pacific Ring of Fire



Figure 2a. Outside view of a Volcano



Figure 2b. Inside view of a Volcano https://upload.wikimedia.org/wikipedia/commons/9/9d/Pacific\_Ring\_of\_Fire\_volcanoes.png Illustrated by: Ramona I. Mangahas

A volcanic eruption is the sudden occurrence of a violent discharge of steam and volcanic material. In Philippine history, the 1991 eruption of Mount Pinatubo was a significant volcanic eruption in the Luzon Volcanic Arc, as shown in Figure 3 below. It was the world's largest volcanic eruption to happen in the past 100 years.



Figure 3. Mt. Pinatubo Eruption covered Subic Photo credits: copyright.com, Dante G. Arriola II,





Figure 4. Cagsawa Church before & after Mayon eruption

The famous Cagsawa Church was buried by the eruption of Mt. Mayon in 1814, as shown in Figure 4 of the previous page. When there is a volcanic eruption, many affected because it can destroy our properties and can affect our health as well as our environment. It is, therefore, important to know what to do before, during, and after volcanic eruptions.



### What's In

Read the description of events of a volcanic eruption inside the boxes below. Arrange the events by writing numbers **1** - **4** in the box above it. Place your answer on a separate paper.

a. b. C. d. The magma Magma rises Temperature Magma that comes out and escapes inside the shoots up out of the volcano through the Earth is very of the volcano flows down the hole created high that and runs slope of the by colliding causes rocks down the side volcano as lava plates to melt. of the flow. When a because of Pressure mountain. It volcano pressure. builds up also releases continues to deep inside ashes and erupt over the earth. gases. time, lava will build up forming a mountain.



### **Activity: Impact - Full**

Choose your answers from the list of different activities before, during, and after eruptions below. Write only the letters, under the What I Should Do column, on a separate sheet of paper

Stages	Impact of Eruption	What I should do
Occurrences of volcanic tremors		
Before	are always felt with rumbling	
Delote	sounds and emission of gray	
	smoke at the crater.	
	Lava and mudflow from the crater	
During	of the volcano, and ashes and	
	debris are falling.	
	Damages were incurred and ash	
After	fall accumulated in the	
	community.	

### List of Things to do before, during, and after volcanic eruptions:

- A. Avoid low-lying places.
- B. Seek cover in case ashes and rocks fall.
- C. Be ready with emergency kits or GO BAG.
- D. Use masks while cleaning ashes and other debris.
- E. Stay in the evacuation center until further instructions.
- F. Prepare hard hats and masks for ashes and falling debris.
- G. Keep all doors closed when there is a heavy ash fall.
- H. Prepare all the necessary things to bring once an evacuation is needed.
- I. Wear protective clothing, headgear, and high-efficiency dust masks.
- J. Strengthen roofs and walls to withstand loading and projectile impacts.
- K. Be alert for advisories of possible re-evacuation to safer places.
- L. Be aware of the evacuation plans and location of the center in your community.
- M. Keep updated on the unusual volcanic activity through TV, newspaper, or radio.
- N. Adults may check on the livability and safety of the areas affected before going back home.
- O. Participate in community efforts such as cleaning, maintaining peace, and order within the evacuation center.



Volcanic eruptions, to some extent, maybe predicted. Some signs like frequent tremors near the volcano with rumbling sounds, swelling of the ground, and increase in temperature of surface water, are used to predict a possible eruption. When volcanic eruptions occur, we are all affected but we can reduce the risk brought about by volcanic eruptions.

Below are some activities to do before, during, and after an eruption.

Before the Eruption, I should:	During the Eruption, I should:	After the Eruption, I should:
*Get ready for emergency kits or GO BAG.  *Prepare hard hats and masks for ashes and falling debris.  *Prepare all the necessary things to bring once an evacuation is needed.  *Strengthen roofs and walls to withstand loading and projectile impacts.  *Be aware of the evacuation plans and location of the centers in your community.  *Keep updated on the unusual volcanic activity through TV, newspaper, or radio.	*Avoid low-lying places  *Seek cover in case ash and rock falls.  *Keep all doors closed when there is a heavy accumulation of ash.  *Wear protective clothing, headgear, and high-efficiency dust masks.  *Be alert for advisories for possible reevacuation to safer evacuation sites.	*Use masks while cleaning ash and other debris.  *Adults may check on the livability and safety of the areas affected before going back home.  *Stay in the evacuation center until further instructions.  *Participate in community efforts such as cleaning, maintaining peace, and order within the evacuation center.



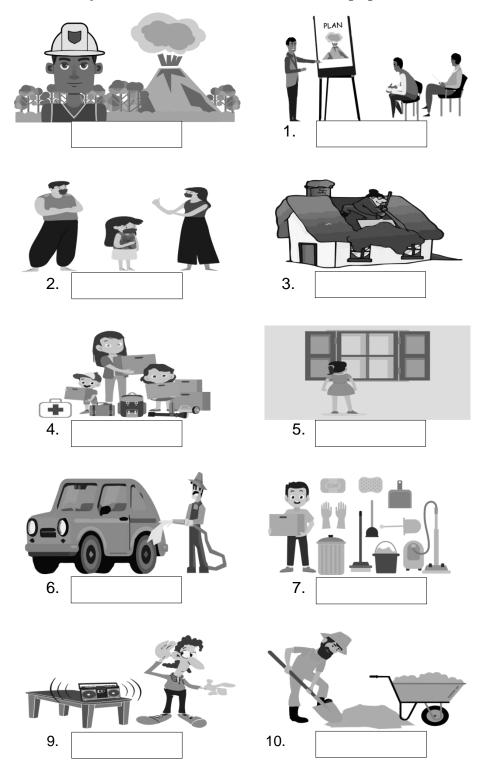
# Activity 1: What to Do Before, During and After Volcanic Eruption

**Directions:** Identify the following safety precautions before, during, and after the Earthquake. Write **B** for before, **D** for during, and **A** for after on the space provided. Write the letters of your answer on a separate sheet of paper.

 1. Be aware of the unusual volcanic activity.
 2. Check drinking water and electrical wires at home.
 3. Cover your nose with a wet cloth to prevent inhaling ashes.
 4. Protect yourself from ash falls.
 5. Prepare emergency materials like flashlights, food, and water.
 6. Wait for instructions to return home.
 7. If caught in a rock fall, roll into a ball to protect your head.
 8. Follow instructions from authorities.
 9. Avoid low-lying places.
10. Close all doors and windows to avoid ashes from getting inside.

### **Activity 2: Picture Clue**

Directions: Tell whether the picture shows what to do before, during, and after volcanic eruptions. Choose among the choices: **<u>before</u>**, **<u>during</u>**, or **<u>after</u>**. Write the letters of your answer on another sheet of paper.



Arellano, Ryan Oliver S., Before, During and After Volcanic Eruption.



## What I Have Learned

I learned that readiness and knowledge on what to do before, during, and after volcanic eruptions would help protect ourselves and our family. Complete the following statements. Write your answers on another paper.

Before the volcanic eruption comes, I should		
During the eruption, I should		
After the eruption, I should		



### What I Can Do

### Activity: Emergency Kit Bag

Draw and put a label on the things that should be placed inside the emergency bag in preparation for a volcanic eruption. Among the different things, you will be needing, select only the 15 most important or essential. Your points will vary depending on your answers. Place your output on another paper.



Illustrated by: Ramona I. Mangahas



**Multiple Choice**. Read and answer the following questions carefully. Write your chosen letter on the answer sheet.

- 1. Which precautionary measures should be done after a volcanic eruption?
  - I. Clean everything and check if there are damages.
  - II. Wear goggles or eyeglasses to cover your eyes.
  - III. Close all windows and doors.
  - IV. Listen to the radio for the updates.
  - A. I only
  - B. II only
  - C. III and IV
  - D. I and IV
- 2. Which of the following activities should we do before volcanic eruptions occur?
  - A. Avoid contact with the ash.
  - B. Wear goggles to protect your eyes.
  - C. Keep important documents in a safe place.
  - D. Cover your nose with a wet and clean cloth.
- 3. Which of the following activities should we NOT do during a volcanic eruption?
  - A. Avoid low lying areas.
  - B. Stay outside the house.
  - C. Cover your head for protection.
  - D. Wear long-sleeve shirts and long pants.
- 4. Which is not a safety precaution during volcanic eruptions?
  - A. Get on the rooftop to remove ash.
  - B. Avoid crossing bridges and rivers.
  - C. Follow evacuation orders from authorities.
  - D. If outside, protect yourself from falling ash.
- 5. What will you do after a volcanic eruption?
  - A. Bring first aid kit.
  - B. Make a family disaster plan.
  - C. Store enough food and drinking water.
  - D. Make the necessary repairs and clean your roof.

- 6. Which of the following statements show what to do before volcanic eruptions?
  - A. Check and repair any damages.
  - B. Prepare masks or cloth to cover your nose or mouth.
  - C. Always stay indoors until authorities say it is safe to go outside.
  - D. Use mask to cover your mouth or nose to avoid breathing in ashes.
- 7. Which precautionary measures should be done after a volcanic eruption?
  - A. Always stay indoors.
  - B. Do not drive in heavy ash fall.
  - C. Cover your nose and mouth with a clean wet cloth.
  - D. Make sure that your house is still safe for all of you.
- 8. In case you are inside your house, what will you do during a volcanic eruption?
  - A. Do not use masks.
  - B. Prepare an emergency plan.
  - C. Leave your doors and windows open.
  - D. Wear a mask and close all windows and doors.
- 9. Which of the following activities should you NOT do before volcanic eruption?
  - A. Have an emergency plan.
  - B. Prepare necessary things like first aid kit and foods.
  - C. Stay in the evacuation center until further instructions.
  - D. Prepare masks or anything to cover your nose and mouth.
- 10. Which is NOT a safety precaution during volcanic eruption?
  - A. Do not drive in heavy ash falls.
  - B. Open your doors and windows.
  - C. Use masks while cleaning ash and other volcanic materials.
  - D. Always stay indoors until authorities say it is safe to go outside.



Design an emergency preparedness plan for your family when volcanic eruption comes. Seek the help of your family members. Place your output on a separate paper.

Before the Eruption	During the Eruption	After the Eruption



Lesson 1: What To Do Before, During and After an Earthquake

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Lesson 2: What To Do Before, During and After Volcanic Eruptions

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ton emsti rshtO •	overed manage	Activity 2
<ul> <li>Swiss Army Knife</li> <li>Documents (ID, insurance and bank books)</li> <li>Sleeping bag</li> <li>Clothes</li> <li>Keys (car &amp; house)</li> <li>Keys (car &amp; house)</li> <li>Manket</li> <li>Thoriable charger (power bank)</li> </ul>	<ul> <li>Flashlight and extra batteries</li> <li>First sid kit and manual</li> <li>Emergency food and water</li> <li>Easy open canned goods</li> <li>Essential medicines</li> <li>Sturdy shoes</li> <li>Respiratory (breathing)</li> <li>protection e.g. masks</li> <li>protection e.g. masks</li> <li>Eye protection (goggles)</li> <li>Eye protection (goggles)</li> </ul>	During (A, B, G, I, K)  After (D, E, N, O)  What's More  Activity 1  I. B  2. A  3. D  4. D  5. B  6. A  7. D  8. D  9. D
<ul> <li>garbage bags</li> </ul>	siniog E	Before (C, F, H, J, L, M)
Laminated Hotlines		What's New
Procedures • Toiletries	(Answer on a separate sheet of paper)	g.,b
• Rope/cord	What I Can Do	c. 1
<ul><li>Spare batteries</li><li>Duct tape</li></ul>		b. 2
stnioq S	What I Have Learned (Answer on a separate sheet of paper)	What's In

### References

- Ready. "Disasters and Emergencies: Volcanoes" Accessed April 22, 2021. <a href="https://www.ready.gov/volcanoes">https://www.ready.gov/volcanoes</a>
- Ready. "Disasters and Emergencies: Earthquakes" Accessed April 22, 2021. <a href="https://www.ready.gov/volcanoes">https://www.ready.gov/volcanoes</a>
- The American National Red Cross. "Volcano Preparedness" Accessed April 22, 2021. <a href="https://www.redcross.org/get-help/how-to-prepare-for-emergencies/types-of-emergencies/volcano.html">https://www.redcross.org/get-help/how-to-prepare-for-emergencies/types-of-emergencies/volcano.html</a>

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