

Exercise 1 : Let's read and answer.

Volcanoes

A volcano is a mountain with a large opening at the top through which gases and lava are forced out into the air. Volcanoes happen because the Earth is hot inside. The heat gets too hot and erupts lava through the opening of the volcano.



Mount St. Helens in the United States of America erupted in 1980. The eruption was the most spectacular ever seen. A cloud of ash that grew metres tall covered the sky. The volcano exploded sideways and travelled up to 30 kilometres away. The eruption killed 57 people.



Mount Pinatubo located in the Philippines erupted in 1991. It was the most **devastating** of the 20th century. An ash cloud rose 40 kilometres high. Ash in the air made it dark during the day and caused temperature to fall. Hundreds lost their lives and thousands lost their homes.

Mount Vesuvius in Italy is the only active volcano in Europe. It erupted in AD79 and buried a city called Pompeii. People had little time to escape which meant thousands died as they ran away to save their lives. Archaeologists found remains of people and animals under the thick layers of ash.



Skills : 2.2.2(a), 2.2.3 (b), 3.3.1(a)

Magma is the
hot liquid found
inside the Earth.

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Exercise 2 : Complete the table.

Volcano	Country	Date of eruption	Result of the eruption
Mount St. Helens		1980	
	Philippines		
Mount Vesuvius			It buried a city called Pompeii

Exercise 3 : Answer the questions

1. The only active volcano in Europe is located in _____.
A. Italy B. Indonesia C. The Philippines
2. The city of Pompeii was _____ when Mount Vesuvius erupted in AD79.
A. found B. destroyed C. discovered
3. The word 'devastating' in the text can best be replace with _____.
A. constructive B. destructive C. effective
4. An instrument that measures and records the movement of the ground during an earthquake is called a _____.
A. thermometer B. seismometer C. ruler
5. We should do the following during an earthquake except _____.
A. find a clear space
B. drop to the ground
C. take a photo of the earthquake



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Earthquake



What is an earthquake?

An earthquake is the result of violent shaking and movements of the Earth's surface. It causes great destruction.



How does an earthquake happen?

An earthquake happens when the Earth's crust moves in different directions. These create an energy called seismic waves



How do we measure an earthquake?

An earthquake is measured using an instrument called seismometer. It measures and records details of the earthquake such as the force and duration.



What can we do about it?

During an earthquake, seek a clear space and drop to the ground. Be aware of things that can fall or hurt you. Always remember to protect your neck.



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Exercise 2 : Tick (✓) the correct answer.

1. Earthquake causes great _____.

income	
opportunity	
destruction	

2. An earthquake creates an energy called _____.

tsunami	
flood	
seismic waves	

Exercise 3 : Write your answer in the space provided.

(a) Why does an earthquake cause massive destruction?

(b) Do you think it is possible to prevent an earthquake?
Why?

(c) Why do you need to drop to the ground during an earthquake?

(d) How can you help the victims?

