

STD-V

SUB-SCIENCE

NATURAL DISASTERS

A. Fill in the blanks:-

1. A natural disaster is caused by the forces of nature.
2. Tsunami is a series of giant ocean waves that hits the shore.
3. The layer below the crust consists of hot molten rocks called the mantle.
4. Earthquakes occur when the plates that form the Earth's crust collide or slide past each other.
5. Extinct volcanoes are those that have not erupted for thousand of years and are not expected to erupt again.

B. State whether the following statements are true or false :-

1. Volcano is the trembling of earth. **False**
2. When magma erupts through the earth's surface it is called lava. **True**
3. Extinct volcanoes are those that have been inactive for thousands of years and are not expected to erupt again. **True**
4. Tsunami is a strong tropical storm with fast spinning winds. **False**

C. Answer these questions:-

1. What is a natural disaster? Give some examples.

Ans- A terrible natural event such as a flood, an earthquake or a cyclone that causes great damage or loss of life is called a natural disaster.



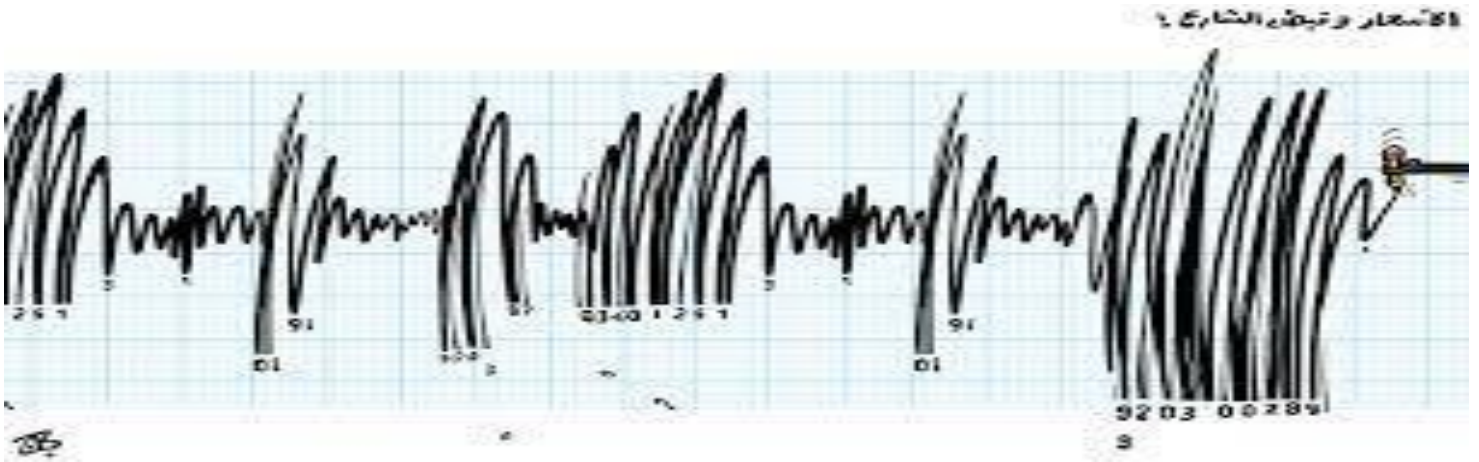
2. What is a cyclone?

Ans- A cyclone is a strong tropical storm with fast spinning winds that forms over oceans. Cyclones are also referred to as hurricanes and typhoons.



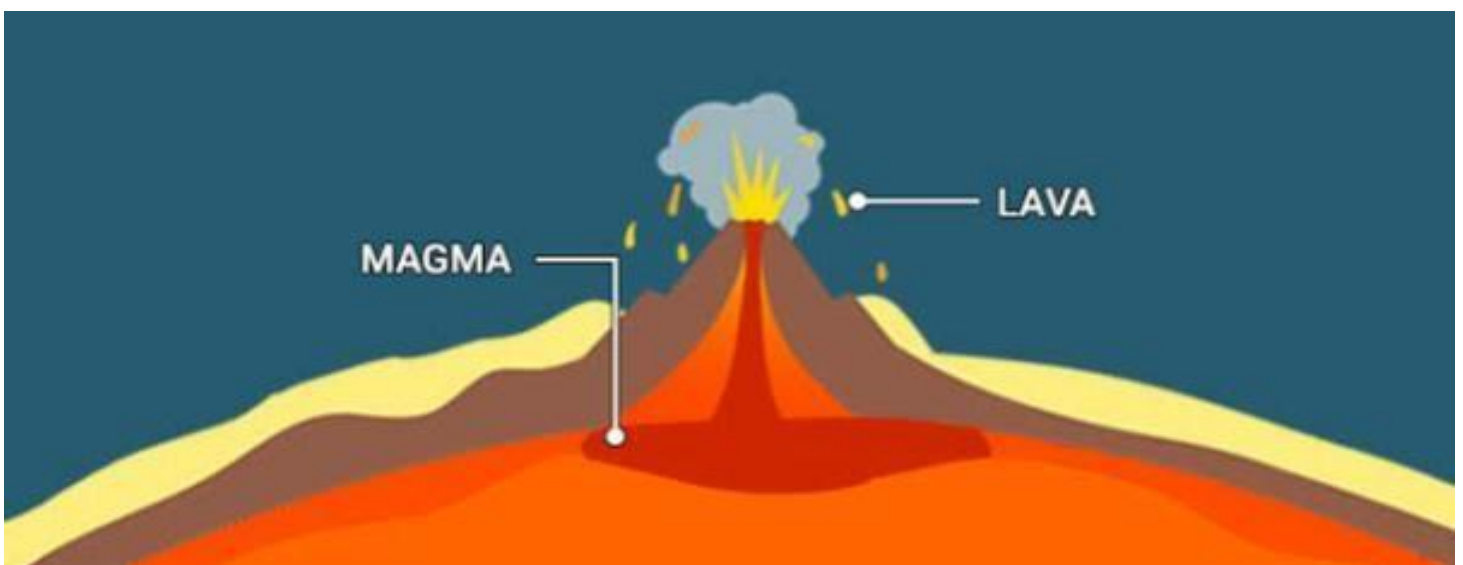
3. What are the instruments used to measure an earthquake?

Ans - Seismometer is used to measure an earthquake.



4. What is the difference between magma and lava?

Ans- Magma is composed of molten rocks and is stored in the earth's crust. Lava is the magma that reaches the surface of the earth through a volcano vent.



5. Define the following -

(a) **Earthquake** - The sudden shaking of the earth's surface caused due to movements of the plates on the crust.



(b) **Tsunami** - A tsunami is a series of giant waves in a water body that hits a coastal area. Its caused due to an earthquake on the ocean floor.



(c) **Volcano** - A volcano is an opening in the earth's crust through which lava, volcanic ash and gases escape.



6. How does an earthquake occur? What damage can it cause?

Ans- Earthquake occurs when two plates of the earth collide or slide past each other. Earthquake can cause floods, landslides, avalanches, tsunamis and ground rupture.



7. Briefly discuss about active, dormant and extinct volcanoes. Give examples of each type.

Ans- Active volcano- Active volcanoes are those that have erupted in the recent past and can erupt again.

Example - Mount Etna of Italy.

Dormant volcano - Dormant volcanoes are the ones that have not erupted for a very long time but may erupt again in the future.

Example - Mount Kilimanjaro of Africa.

Extinct volcano- Extinct volcanoes are those that have been inactive for thousands of years and are not expected to erupt again.

Example - Mount Popo in Myanmar.

8. What is a flood? Why does it occur?

Ans - A flood is an overflow of river water that submerges the surrounding areas. It occurs when there

is a large amount of rainfall in a short period of time and so the river overflows its banks.



9. Describe the conditions in a drought.

Ans - In a drought :-

- Streams and rivers dry up and no crops can grow.
- The ground has no moisture.
- The region suffers from famine.
- Shortage of food.
- People migrate.

