

SESSION NO: 5

CLASS: 4

SUBJECT: SCIENCE

CHAPTER NUMBER: 11

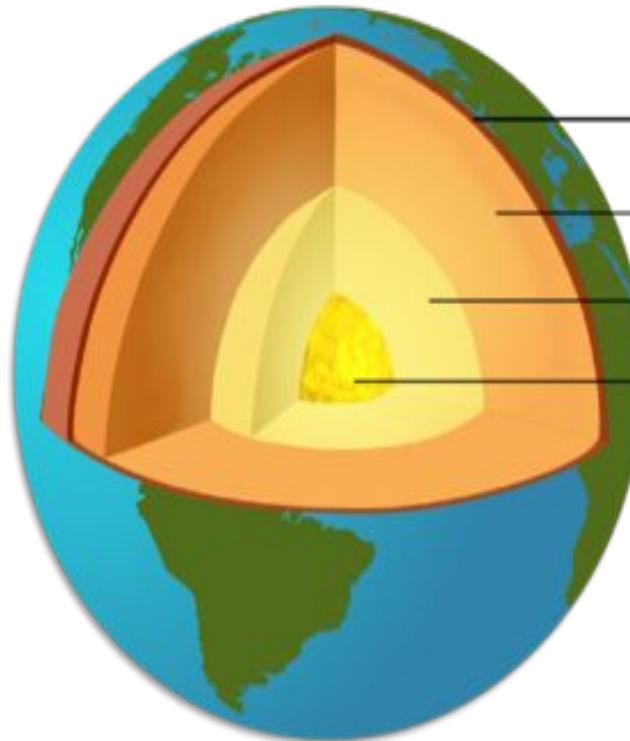
CHAPTER NAME: EARTH AND ITS NEIGHBOURS

SUB TOPIC: VOLCANOES

CHANGING YOUR TOMORROW

RECAPITULATION

1. LABEL THE LAYERS IN THE STRUCTURE OF THE EARTH:



A.

B.

C.

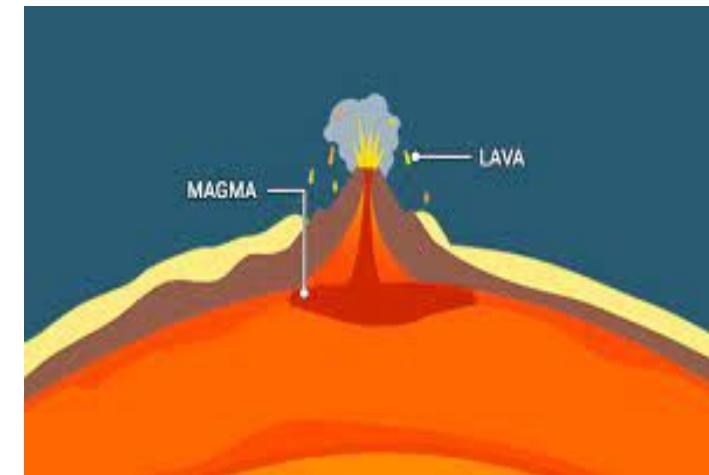
D.



1. The mantle is the largest layer of the Earth? True or False
2. The thinnest layer of earth is _____.
3. Is the Outer Core a liquid or a solid?

VOLCANO

- A volcano is a mountain that erupts.
- Rock under the earth's surface is so hot that it melts.
- This melted rock is called magma.
- Erupting magma is called lava.



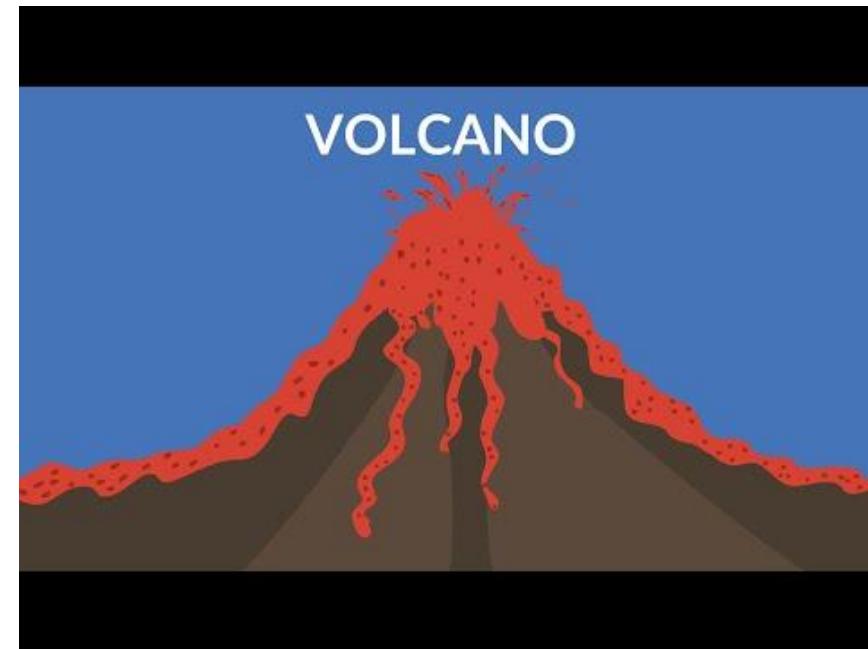
FORMATION OF VOLCANO

- A volcano is an opening in the earth's crust through which lava, volcanic ash, and gases escape.
- Beneath a volcano, liquid magma containing dissolved gases rises through cracks in the Earth's crust.



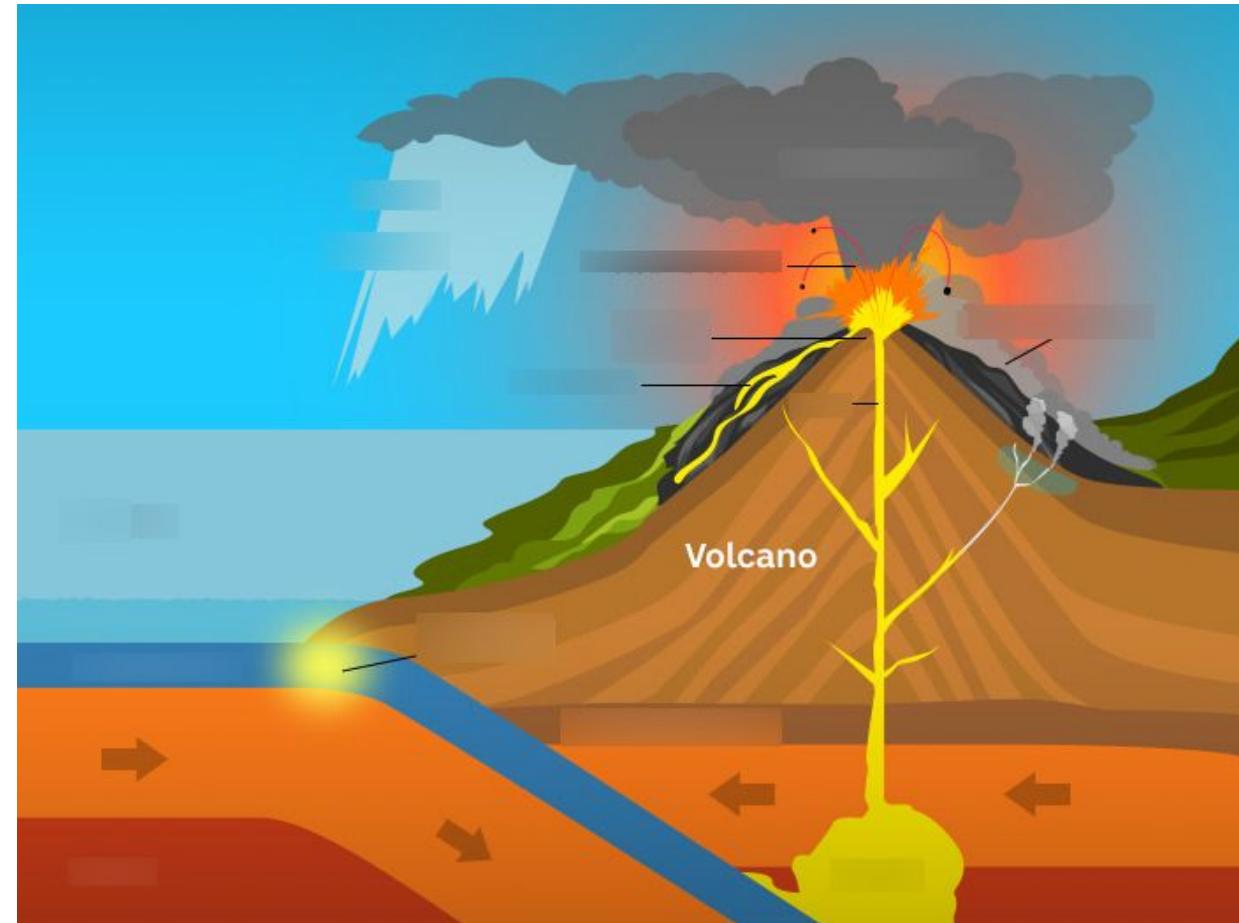
FORMATION OF VOLCANO

- **Volcanoes on Earth form from rising magma.**
- **Magma can rise when pieces of Earth's crust called tectonic plates slowly move away from each other.**
- **The magma rises up to fill in the space.**
- **As the magma rises, bubbles of gas form inside it.**
- **Runny magma erupts through openings or vents in the earth's crust before flowing onto its surface as lava.**
- **If magma is thick, gas bubbles cannot easily escape and pressure builds up as the magma rises.**



CAUSES OF VOLCANO

- A build up of pressure in the earth is released, by things such as a plate movement which forces molten rock to exploded into the air causing a volcanic eruption.



STATUSES OF VOLCANO

- **An active volcano is one which has recently erupted and there is a possibility that it may erupt soon.**
- **A dormant volcano is one which has not erupted in a long time but there is a possibility it can erupt in the future.**
- **A volcano which has not erupted in the past 10,000 years is often listed as extinct.**



EFFECTS OF VOLCANOES

- Volcanoes can change the weather. They can cause rain, thunder and lightning.
- Volcanoes can also have long-term effects on the climate, making the world cooler.
- Fast-moving lava can kill people and falling ash can make it hard for them to breathe.



QUIZ TIME!!

1. What is the molten rock found in the mantle called?

Ans: Magma

2. Volcanoes that will most likely never erupt again are known as _____.

Ans: Extinct volcanoes

3. A volcano is an opening in the earth's _____.

Ans: crust

Homework



NO HOMEWORK

LEARNING OUTCOME

Learner will able to

- Become familiar with the processes and concepts that create and build volcanoes.
- Know about the vocabulary terms associated with volcanic processes.

**THANKING YOU
ODM EDUCATIONAL GROUP**