

Volcanoes - Fire Mountains

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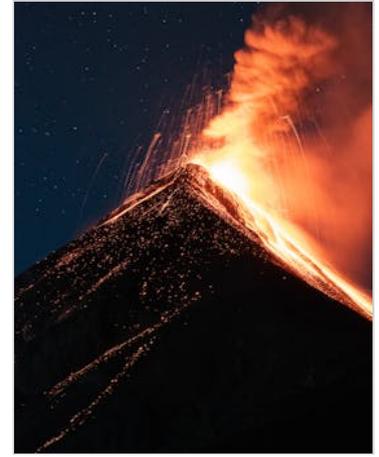
A volcano is an opening in the Earth. Hot **melted** rock called lava comes out. When a volcano **erupts**, it shoots lava, ash, and gas into the sky. Volcanoes can be very dangerous but also very beautiful.

Volcanoes form when hot rock from deep **underground** pushes up. The Earth has a hot center called the **core**. The rock there is so hot it becomes liquid. This liquid rock is called magma.

There are different types of volcanoes. Some are very **active** and erupt often. Some are **dormant**, which means they are sleeping. Others are extinct and will never erupt again.

Volcanoes can be found all over the world. Many are in the "Ring of Fire" around the **Pacific** Ocean. Hawaii has volcanoes that tourists visit. Mount Fuji in Japan is a famous dormant volcano.

Volcanoes are not all bad. The ash makes **soil** very good for farming. Hot springs near volcanoes are used for **energy**. Scientists study volcanoes to help keep people safe.



A. Vocabulary

- | | |
|----------------------|--|
| 1. melted _____ | a. sleeping; not active now |
| 2. erupts _____ | b. below the ground |
| 3. underground _____ | c. power to do work |
| 4. core _____ | d. the largest ocean |
| 5. active _____ | e. dirt where plants grow |
| 6. dormant _____ | f. doing things; not quiet |
| 7. Pacific _____ | g. the center of something |
| 8. soil _____ | h. turned from solid to liquid by heat |
| 9. energy _____ | i. explodes or bursts out |
| 10. tourists _____ | j. people who visit places |

B. True or False

1. Lava is cold rock. _____
2. Magma is liquid rock _____
underground.
3. All volcanoes erupt every _____
day.
4. The Ring of Fire is around _____
the Pacific Ocean.
5. Dormant means the volcano _____
is sleeping.
6. Mount Fuji is in China. _____
7. Volcanic ash is good for _____
farming.
8. The Earth has a hot core. _____
9. Extinct volcanoes will _____
never erupt again.

C. Fill in the Blanks

Word Bank: melted, erupts, underground, active, dormant, soil, energy

1. Hot _____ rock called lava comes out of volcanoes.
2. When a volcano _____, it shoots lava into the sky.
3. Hot rock from deep _____ pushes up to make volcanoes.
4. Some volcanoes are _____ and erupt often.
5. Volcanic ash makes _____ very good for farming.

D. Comprehension Questions

1. What is lava?
2. What is the difference between magma and lava?
3. What does dormant mean?
4. Where is the Ring of Fire?
5. How can volcanoes help people?

E. Discussion Questions

1. Would you like to see a volcano? Why or why not?
2. Why do people live near volcanoes?
3. What would you do if a volcano erupted near you?

Answer Key

A. Vocabulary: 1-h, 2-i, 3-b, 4-g, 5-f, 6-a, 7-d, 8-e, 9-c, 10-j

B. True/False: 1-F, 2-T, 3-F, 4-T, 5-T, 6-F, 7-T, 8-T, 9-T

C. Fill Blanks: 1-melted, 2-erupts, 3-underground, 4-active, 5-soil

D. Comprehension: 1. Hot melted rock that comes out of volcanoes; 2. Magma is underground, lava is above ground; 3. Sleeping, not active now; 4. Around the Pacific Ocean; 5. Ash makes good soil, hot springs provide energy