



Volcano (vol kā' nō) an opening in Earth's crust through which gas, steam, ash, and melted rock erupt; the landform made when these materials build up around the opening

Using SCIENCE Words

1. A volcano is _____.
 - A. a mountain of liquid rock
 - B. created by an eruption of liquid rock
 - C. underneath Earth's crust

- 1 Sometimes changes to Earth's surface happen quickly. Rock slides can send rocks down a mountain or a cliff in seconds. Mud slides can move large amounts of wet mud down a mountain. Volcanoes can change Earth's surface in just a few minutes.
- 2 A **volcano** is an opening in Earth's crust. Melted rock and hot gases erupt through this opening. These materials create a landform when they pile up around the opening. This landform is a volcano.
2. _____ come out of a volcano.
- melted rocks
 - hot gases
 - both **a** and **b**
- 3 Where Earth's crust is weak, liquid rock may push its way to the surface and erupt as lava. **Lava** is hot, melted rock that comes from a volcano.
- 4 If you shake a can of soda, pressure builds inside the can. Open the can, and you will be sprayed by soda. This is like a volcano erupting.
3. Which statement is true?
- Lava is an opening in Earth's crust.
 - Lava is a weak place in Earth's crust.
 - Lava is hot, melted rock.
- 5 Some lava coming from a volcano is thick and moves slowly. Thick lava usually shoots out of the top of volcanoes. This lava can build tall mountains layer by layer.
4. Thick lava moves _____.
- quickly
 - slowly
 - like water

- 6 Lava can also be thin. Thin lava moves quickly. It can cover large areas of land before it cools and hardens.
- 7 As lava cools, new rocks are formed. Lava deserts have been formed from lava that moves quickly.
5. Thin lava _____.
a. can form lava deserts
b. can quickly cover large areas of land
c. both **a** and **b**
- 8 Volcanoes are different sizes and shapes. Some volcanoes are shaped like cones. Some are small. Some are very steep and tall.
- 9 Volcanoes can be very dangerous. They often destroy what is near them. But they can also create new landforms.
6. Which statement is **not** true?
a. Volcanoes often destroy what is near them.
b. Volcanoes can create new landforms.
c. Volcanoes are all the same size.

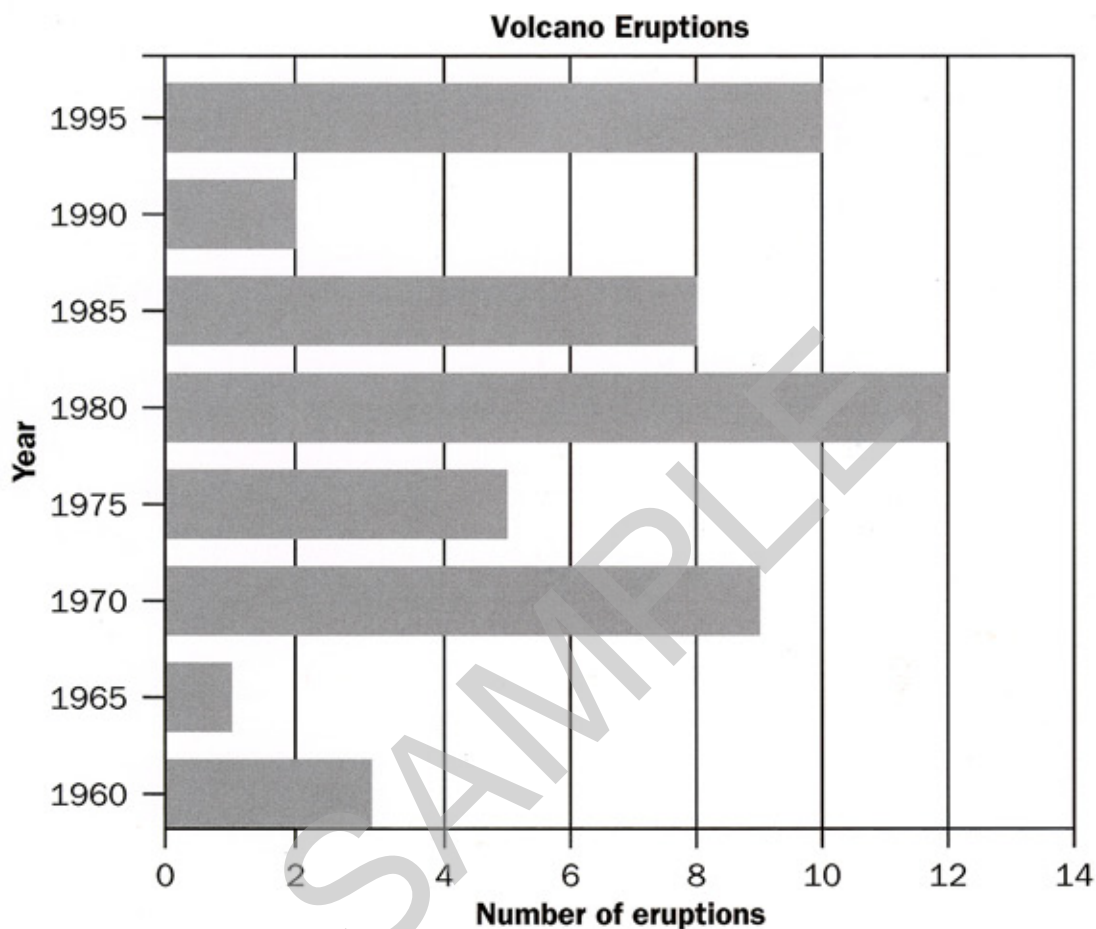
LEARN ABOUT WORDS

Read each group of three words. All three words begin with the same letter, but each word has a different second letter. Write the word that comes first in alphabetical order.

- | | | |
|--------------|-----------|---------|
| 7. singer | scavenger | shaker |
| 8. opener | order | office |
| 9. builder | beaver | brother |
| 10. teacher | triangle | thin |
| 11. consumer | carpet | cleaner |
| 12. helper | home | hike |
| 13. producer | purchase | pencil |
| 14. river | runner | ramp |
| 15. fossil | flip | frame |
| 16. shape | seven | support |

THINK ABOUT IT

Look at the graph. Answer the question.



17. Based on this graph, what do you know about volcanic eruptions?
- A. More than six happened in 1995.
 - B. The most eruptions happened in 1960.
 - C. Fewer than three happened in 1980.
 - D. No eruptions happened in 1975.

Using SCIENCE Words

1. B

Comprehension

2. c
3. c
4. b
5. c
6. c

Learn About Words

7. scavenger
8. office
9. beaver
10. teacher
11. carpet
12. helper
13. pencil
14. ramp
15. flip
16. seven

Think About It

17. A

Writing About Science

Think about what happens when a volcano erupts. Make a flowchart that tells what happens.