

Ice Cave and Bandera Volcano Quiz

Multiple Choice Questions

1. Bandera Volcano is an example of a _____.
 - A. Spatter Cone
 - B. Cinder Cone
 - C. Impact Crater
 - D. Thrust Fault

2. Preservation of the Ice Cave for all to see was begun in _____.
 - A. 1960
 - B. 1978
 - C. 1946
 - D. 1930

3. The Ice Cave is actually a portion of a _____.
 - A. Lava Tube
 - B. Volcano
 - C. Limestone Cave
 - D. Glacier

4. The green cast to the ice in the Ice Cave is due to a _____.
 - A. Serpentine intrusion
 - B. Glacial Inconformity
 - C. Growth of surface algae
 - D. Pollution problem

5. Bandera, one of the largest volcanic cinder cones in the Ice Cave region, erupted about ____.

- A. 1000 years ago
- B. 2000 years ago
- C. 5000 years ago
- D. 10000 years ago

6. The predominant form of lava found in the Bandera flow is called ____.

- A. aa
- B. oh oh
- C. pahoehoe
- D. molten

7. The temperature of the Ice Cave never goes above ____.

- A. 24 degrees F
- B. 26 degrees F
- C. 29 degrees F
- D. 31 degrees F

8. The Ice Cave remains frozen because

- A. Cold air is heavy and sinks
- B. Hot air rises
- C. Lava is a great porous insulation
- D. All of the above contribute to the phenomenon

9. The first people to use the Ice Cave were the ____.

- A. Early pioneer cowboys
- B. The Anasazi
- C. Lumber companies during the 1930s
- D. Outlaws of the 1890s

10. One of the oldest trees on the the Ice Cave trail is a Douglas fir that is _____.

- A. 200 years old
- B. 400 years old
- C. 500 years old
- D. 700 years old

Essay Questions

11. Explain how a volcano like Bandera forms. What were the stages in the eruption?

12. Air flow into the Ice Cave varies from summer to winter. How is this air flow different, and how does this difference help keep the Ice Cave frozen?

13. The Bandera lava flow has a very long lava tube system. How did this lava tube form?

14. Explain why the plant life in the Ice Cave is so unusual to this area of the Southwest.

15. The height, depth, and width of Bandera are approximately.

Fill In The Blank Questions

16. What famous mountain, also a volcano, is found in the vicinity of Bandera?

17. The age of the oldest ice was dated to about _____.

18. The owners of the Ice Cave and Bandera Volcano are _____.

19. Molten lava reaches a temperature of _____.

20. The floor of the Ice Cave keeps getting deeper because _____ seep into the cave each year.