

Devils Postpile Podcast

Recall:

1. Devils Postpile National Monument is known for its _____ and _____ formations. (Geological/Hydrological)
2. The process of lava cooling, shrinking, and cracking into columns is called _____. (Columnar jointing)

Explain:

3. How was the Postpile formation created?
 - a. The valley started as a ____ shaped valley, carved by a river. (V)
 - b. Then a _____ came through, carving the valley into a ____ shape. (Glacier/U)
 - c. Then, lava _____

 - d. What is left is _____

Extension Questions:

- A. Why would the National Park Service and researchers at Devils Postpile National Monument want to protect the hydrological and geological formations of Devils Postpile?
- B. The sizes of crystals in volcanic rocks depend on how long it took for the lava to cool. Bigger crystals grow as lava cools more slowly, underground. Small crystals form when lava cools quickly on or near the surface of the earth. What size do you think the crystals of the basalt of the Postpile formation are?